

# Workshop Manual ID.3 2020 ➤

General body repairs, interior

Edition 10.2020





## List of Workshop Manual Repair Groups

#### Repair Group

00 - Technical data

68 - Interior equipment

69 - Passenger protection

70 - Trim, insulation

72 - Seat frames

74 - Seat - padding, covers

Technical information should always be available to the foremen and mechanics, because their careful and constant adherence to the instructions is essential to ensure vehicle road-worthiness and safety. In addition, the normal basic safety precautions for working on motor vehicles must, as a matter of course, be observed.

### Contents

00 -	Techr	nical data	1
	1	Safety information	1
	1.1	Safety measures when working on vehicles with start/stop system	1
	1.2	Safety precautions when working on high-voltage system	2
	1.3	Safety precautions when working in the vicinity of high-voltage components	3
	1.4	Safety precautions when using testing and measuring instruments during a road test	3
	1.5	Safety measures when working with pyrotechnic components	3
	1.6	Storage, transportation and disposal of airbag, belt tensioner and battery isolator units (pyrotechnic components)	5
	1.7	Additional safety regulations for side airbag	5
	1.8	Additional safety instructions for curtain airbag	6
	1.9	Safety regulations for crash sensors (pressure sensors) for front side airbags	6
	1.10	Additional safety instructions for repair work on seat occupied recognition for front passenger airbag deactivation - country-specific	7
	1.11	Measures for seat occupied recognition for front passenger airbag deactivation following an accident - country-specific	7
	1.12	Renewing pyrotechnic, electrical and mechanical components of the restraint system after an accident	8
	1.13	Checking airbag securing parts after an accident	ξ
	1.14	Accident without airbag triggering	10
	1.15	Checking seat belts	10
	1.16	Check belt webbing	10
	1.17	Checking inertia reel (locking mechanism)	11
	1.18	Visually checking belt buckle	11
	1.19	Check operation of belt buckle	12
	1.20	Checking belt relays, and buckle tongues	12
	1.21	Checking securing parts and anchorage points after an accident	12
	1.22	Checking seat belt restraint function for holding additional child seats (not for driver's seat	
		belt) - country-specific	13
	1.23	Checking child seat anchors after an accident	13
	1.24	Safety instructions for automatic anti-dazzle interior mirror	13
	2	Repair notes	14
	2.1	Contact corrosion	14
	2.2	Routing and attachment of lines	14
68 -	Interio	or equipment	15
		Compartments/covers	15
	1.1	Overview of fitting locations - storage compartments/covers	15
	1.2	Assembly overview - driver side dash panel cover	16
	1.3	Assembly overview - steering column trim	17
	1.4	Assembly overview - glove compartment	18
	1.5	Removing and installing dash panel cover on driver side	
	1.6	· ·	19
	1.7	Removing and installing dash panel insert trim	20
		Removing and installing upper steering column trim	21
	1.8	Removing and installing lower steering column trim	22
	1.9	Removing and installing glove compartment opener	23
	1.10	Removing and installing dash panel cover on front passenger side	23
	1.11	Removing and installing glove compartment	25
	1.12	Removing and installing glove compartment cover	26
	1.13	Removing and installing restrictor for glove compartment cover	26
	2	Equipment	28
	2.1	Assembly overview - sun visors	28
	2.2	Removing and installing sun visor	28
	2.3	Removing and installing sun visor centre mount	31

	2.4	Removing and installing roof grab handle	32
	3	Centre console	36
	3.1	Assembly overview - centre console	36
	3.2	Removing and installing rear centre console trim	36
	3.3	Removing and installing centre console insert	37
	3.4	Removing and installing centre console	38
	3.5	Removing and installing centre console bracket	39
	4	Front centre armrest	41
	4.1	Removing and installing front centre armrest	41
	5	On inside	42
	5.1	Assembly overview - interior mirror	42
	5.2	Removing and installing interior mirror	42
60 -	Dacce	enger protection	47
05 -		•	
	1	Seat belts	47
	1.1	Overview of fitting locations - seat belts and anchorage points	47
	1.2	Assembly overview - front three-point seat belt	49
	1.3	Assembly overview - rear outer three-point seat belt	51
	1.4	Assembly overview - rear centre three-point seat belt	51
	1.5	Assembly overview - front belt buckle	52
	1.6	Assembly overview - rear belt buckle	53
	1.7	Removing and installing front three-point seat belt	54
	1.8	Removing and installing rear three-point seat belt	57
	1.9	Removing and installing rear belt guide	60
	1.10	Removing and installing front belt guide	60
	1.11	Removing and installing front belt end fitting	61
	1.12	Removing and installing rear outer belt end fitting	63
	1.13	Removing and installing front belt buckle	64
	1.14	Removing and installing rear belt buckle	64
	2	Child seat anchors	66
	2.1	Assembly overview - front child seat anchors	66
	2.2	Assembly overview - rear child seat anchors	66
	2.3	Removing and installing front child seat anchors	67
	2.4	Removing and installing rear child seat anchors	68
	_		
	3	Airbag system	70
	3.1	Overview of fitting locations - airbag system	70
	4	Airbag control unit	73
	4.1	Assembly overview - airbag control unit	73
	4.2	Removing and installing airbag control unit J234	73
	5	Driver's airbag	77
	5.1	Assembly overview - driver side airbag	77
	5.2	Removing and installing airbag unit with igniter	77
	5.3	Renewing connector on airbag	81
	6	Front passenger side airbag	83
	6.1	Assembly overview - front passenger side airbag	83
	6.2	Removing and installing front passenger side airbag unit with igniter	83
	6.3	Removing and installing from passenger side alread unit with igniter	85
	7	Side airbags	88
	7.1	Assembly overview – front side airbag	88
	7.2	Removing and installing front side airbag with igniter	89
	8	Curtain airbags	94
	8.1	Assembly overview - curtain airbag	94
	8.2	Removing and installing curtain airbag with igniter	94
	9	Airbag crash sensors	98
	-		



	9.1	Overview of fitting locations - airbag crash sensors	98
	9.2	Removing and installing front airbag crash sensor, driver side G283	99
	9.3	Removing and installing front side airbag crash sensor G179/G180	
	9.4	Removing and installing rear side airbag crash sensor G256/G257	104
	10	Seat occupied recognition	107
	10.1	Overview of fitting locations - seat occupied recognition system	107
	10.2	Removing and installing seat occupied recognition	108
70 -	· Trim,	insulation	112
	1	Front door trims	
	1.1	Removing and installing front door trim	112
	1.2	Removing and installing button trim	116
	1.3	Removing and installing mirror cover trim	117
	2	Rear door trims	119
	2.1	Removing and installing rear door trim	119
	3	Dash panel	
	<b>3</b> .1	Removing and installing dash panel end cover	125
	3.2	Removing and installing dash panel trim	126
	3.3	Removing and installing loudspeaker trim	126
	3.4	Removing and installing dash panel	127
	3.5	Removing and installing outer dash panel vents	132
	3.6	Removing and installing centre vent	133
	4	Central tube for dash panel	135
	<del>4</del> 4.1	Removing and installing central tube for dash panel	135
	4.2	Removing and installing crash bar	140
	<b>5</b> 5.1	Interior trims	142
	5.1 5.2	Removing and installing sill panel moulding	142
	5.2 5.3	Removing and installing A-pillar trim	146 152
	5.4	Removing and installing A-pillar gap cover	152
	5.5	Removing and installing C-pillar trim	159
	5.6	Removing and installing floor covering	160
		Luggage compartment trims	
	<b>6</b> 6.1		162
	6.2	Removing and installing lower rear lid trim	163
	6.3	Removing and installing upper rear lid trim	164
	6.4	Removing and installing lock carrier trim	165
	6.5	Removing and installing support for luggage compartment floor	166
	7	Roof trims	168
	<i>r</i> 7.1	Removing and installing roof end strip	168
	7.1	Removing and installing moulded headlining	169
	7.3	Installing roof reinforcement to body	171
72 -	Seat	frames	174
	1	Front seats	174
	1.1	Overview of fitting locations - electrical and electronic components	174
	1.2	Assembly overview - front seat	176
	1.3	Assembly overview – front backrest	177
	1.4	Assembly overview - head restraint	178
	1.5	Assembly overview - seat pan	179
	1.6	Removing and installing front seat	181
	1.7	Removing and installing handle for seat height adjustment	193
	1.8	Removing and installing seat height adjustment unit	194
	1.9 1.10	Removing and installing front backrest	195 197
	1 111	DEDOVIDO ADO DISTABUTO DEAO FESTADO	191/

	1.11	Removing and installing head restraint guide	199
	1.12	Removing and installing lumbar support	199
	1.13	Removing and handle for installing backrest adjustment	200
	2	Rear seats	202
	2.1	Assembly overview - bench seat/individual seats	202
	2.2	Assembly overview - rear seat backrest	203
	2.3	Assembly overview - locking mechanism	205
	2.4	Assembly overview - centre armrest	205
	2.5	Removing and installing bench seat/individual seats	206
	2.6	Removing and installing rear seat backrest	210
	2.7	Removing and installing trim for locking mechanism	212
	2.8	Removing and installing locking mechanism for rear seat backrest	214
	2.9	Removing and installing trim frame for load-through hatch	214
	2.10	Removing and installing flap for load-through hatch	217
	2.11	Removing and installing centre armrest	218
	2.12	Removing and installing head restraint	218
	2.13	Removing and installing head restraint guide	219
74 -	- Seat	- padding, covers	221
	1	Front seat covers and padding	221
	1.1	Assembly overview - cover and padding for seat pan	221
	1.2	Assembly overview - cover and padding for backrest	222
	1.3	Assembly overview - seat heating element	223
	1.4	Assembly overview - backrest heater element	224
	1.5	Removing and installing cover and padding for seat pan	225
	1.6	Removing and installing backrest cover and backrest padding	226
	1.7	Separating cover and padding on seat pan	229
	1.8	Removing and installing seat heating element Z6/Z8	231
	1.9	Removing and installing backrest heating element Z7/Z9	232
	2	Rear seat covers and padding	233
	2.1	Assembly overview - cover and padding	233
	2.2	Removing and installing covers and padding	234
	23	Separating cover and hadding	242

### 00 – Technical data

#### 1 Safety information

(VRL014771; Edition 10.2020)

- ⇒ m1.1 easures when working on vehicles with start/stop system", page 1
- ⇒ p1.2 recautions when working on high-voltage system", page
- ⇒ p1.3 recautions when working in the vicinity of high-voltage components", page 3
- ⇒ p1.4 recautions when using testing and measuring instruments during a road test", page 3
- ⇒ m1.5 easures when working with pyrotechnic components", page 3
- ⇒ t1.6 ransportation and disposal of airbag, belt tensioner and battery isolator units (pyrotechnic components)", page 5
- ⇒ s1.7 afety regulations for side airbag", page 5
- ⇒ s1.8 afety instructions for curtain airbag", page 6
- $\Rightarrow$  r1.9 egulations for crash sensors (pressure sensors) for front side airbags", page 6
- ⇒ s1.10 afety instructions for repair work on seat occupied recognition for front passenger airbag deactivation country-specific", page 7
- ⇒ f1.11 or seat occupied recognition for front passenger airbag deactivation following an accident country-specific", page 7
- ⇒ p1.12 yrotechnic, electrical and mechanical components of the restraint system after an accident", page 8
- ⇒ a1.13 irbag securing parts after an accident", page 9
- ⇒ w1.14 ithout airbag triggering", page 10
- ⇒ s1.15 eat belts", page 10
- ⇒ b1.16 elt webbing", page 10
- ⇒ i1.17 nertia reel (locking mechanism)", page 11
- ⇒ c1.18 hecking belt buckle", page 11
- ⇒ o1.19 peration of belt buckle", page 12
- ⇒ b1.20 elt relays, and buckle tongues", page 12
- ⇒ s1.21 ecuring parts and anchorage points after an accident", page 12
- ⇒ s1.22 eat belt restraint function for holding additional child seats (not for driver's seat belt) country-specific", page 13
- ⇒ c1.23 hild seat anchors after an accident", page 13
- ⇒ i1.24 nstructions for automatic anti-dazzle interior mirror", page 13

### 1.1 Safety measures when working on vehicles with start/stop system

#### Risk of injury from engine/motor starting unexpectedly

On electric vehicles, it can easily be missed that the vehicle's drive system is activated. There is a risk of parts of the body becoming trapped or drawn in.

- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Keep the ignition key and other entry and start authorisation control units outside the vehicle in order to avoid accidental activation of the vehicle's drive system.

#### 1.2 Safety precautions when working on high-voltage system

#### Danger to life from high voltage

The high-voltage system is under high voltage. Severe or fatal injury from electric shock.

- Persons with life-preserving or other electronic medical devices in or on their body must not perform any work on the high-voltage system. Such medical devices include internal analgesic pumps, implanted defibrillators, pacemakers, insulin pumps and hearing aids.
- The high-voltage system must be de-energised by a suitably qualified technician.

#### Risk of injury from engine/motor starting unexpectedly

On electric vehicles, it can easily be missed that the vehicle's drive system is activated. There is a risk of parts of the body becoming trapped or drawn in.

- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Keep the ignition key and other entry and start authorisation control units outside the vehicle in order to avoid accidental activation of the vehicle's drive system.

#### Risk of damage to high-voltage cables

Improper handling of high-voltage cables or high-voltage connectors can result in damage to their insulation.

- Never support body weight on high-voltage cables or high-voltage connectors.
- Never support any tools on high-voltage cables or high-voltage connectors.
- Never kink or severely bend high-voltage cables.
- Always observe the coding when connecting high-voltage connectors.

## 1.3 Safety precautions when working in the vicinity of high-voltage components

#### Danger to life from high voltage

The high-voltage system is under high voltage. Damage to high-voltage components or high-voltage cables can result in severe or fatal injury from electric shock.

- Perform visual check of high-voltage components and high-voltage cables.
- Never use cutting or forming tools, or any other sharp-edged tools.
- Never use heat sources such as welding, brazing, soldering, hot air or thermal bonding equipment.

## 1.4 Safety precautions when using testing and measuring instruments during a road test

## Risk of injury caused by unsecured test and measuring instruments

When the front passenger airbag is triggered in an accident, insufficiently secured test and measuring instruments become dangerous projectiles.

Secure testing and measuring instruments on the rear seat.

Or

 Have a second person operate the test and measuring instruments on the rear seat.

# 1.5 Safety measures when working with pyrotechnic components



#### Note

The following are pyrotechnic components:

- Airbag units
- Belt tensioner
- Battery isolation elements (depending on vehicle equipment level)
- Renewing trigger for pedestrian protection system (depending on vehicle equipment level)

#### General notes

- Testing, removing, installing and repair work may only be performed by qualified personnel.
- ◆ There are no replacement intervals for airbag units.
- Under no circumstances should checks be carried out with a test lamp, voltmeter or ohmmeter.

- Pyrotechnic components may only be checked in installed state and with vehicle diagnosis, testing and information systems approved by the manufacturer.
- When work is performed on the airbag system (pyrotechnic components, airbag control unit -J234-, wiring), the battery earth strap must be disconnected. Then cover the negative terminal
- A waiting time of 10 seconds is necessary after disconnecting the battery.
- Ensure that nobody is inside the vehicle when connecting battery. Exception: Vehicles with battery inside passenger compartment.
- If the ignition has not yet been switched on after the battery has been reconnected (warning lamps in dash panel insert are off), the ignition may only be switched on (key or button) from the driver seat with the seat in the rearmost position.
- ◆ Observe required procedures after connecting battery
   ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Before handling pyrotechnic components of the restraint system, for example before separating an electrical connection, the mechanic must electrostatically discharge himself/herself. Electrostatic discharge is achieved by touching earthed metallic parts, such as the door striker plate.
- Wash hands after coming into contact with triggered pyrotechnic components of restraint system.
- Pyrotechnic components must not be opened or repaired; always use new parts (risk of injury).
- Pyrotechnic components that have been dropped onto a hard surface or show signs of damage must not be installed in a vehicle.
- Pyrotechnic components must be installed immediately after they have been removed from their packaging.
- If work is interrupted, the pyrotechnic component must be stored back in its packaging.
- Leaving the pyrotechnic component unattended is prohibited
- When connecting pyrotechnic components of the restraint system, only the person carrying out the work may be inside the vehicle.
- Pyrotechnic components must not come into contact with grease, cleaning solution or similar.
- ◆ The airbag unit must be renewed if any contamination such as oil, grease, paint or solvent penetrates the fabric.
- Pyrotechnic components must not be subjected to temperatures above 100°C, even for short periods.

#### Special instructions for driver and front passenger airbags

 Removed driver and front passenger airbag units must be stored with padded side upwards.

It is essential to carry out work in the following sequence when renewing airbag units:

- Remove old airbag unit and place to one side with padded side upwards.
- 2 Remove new airbag unit from transport packaging and place to one side with padded side upwards.



ID.3 2020

- Immediately place old airbag unit in transport packaging.
- 4 Install new airbag unit in vehicle.

#### Special instructions for belt tensioners

- Belt tensioner units must be handled with extreme caution during removal and installation. If handled incorrectly, there is a high risk of injury and damage in relation to the belt tensioner units.
- Belt tensioner units which are mechanically damaged (dents, fractures) always must be renewed.
- ♦ Never point open end of belt tensioner at another person.
- When connecting the belt tensioner unit, all mechanical parts (including those of the 3-point seat belt) must be properly attached. If connection of the belt tensioner unit is hindered due to tight conditions, the belt strap must be rolled up completely before connecting. In this case there is no heightened risk of safety as long as the additional safety instructions are heeded. Essentially this is aimed at battery disconnection and electrostatic discharge of the mechanic prior to connection of the belt tensioner unit.

# 1.6 Storage, transportation and disposal of airbag, belt tensioner and battery isolator units (pyrotechnic components)

- ♦ Storage must comply with the relevant national legislation.
- Transportation is subject to national and international regulations that govern packaging, marking, labelling and freight documentation in detail.
- Untriggered pyrotechnic components must be disposed of correctly in the original packaging in accordance with national legislation. Contact your importer if in any doubt.
- Only completely ignited pyrotechnic components may be disposed of through the commercial waste system.
- This does not apply to belt tensioners which are operated by a Wankel type pump. Those must be disposed of like pyrotechnic components which were not triggered (e.g. airbags, seat belts, pyrotechnic battery isolators).
- Reason: On belt tensioners which are operated by a Wankel type pump it is not possible to verify, using workshop means, if all igniters have been triggered.

## 1.7 Additional safety regulations for side airbag

- ♦ The use of genuine seat covers is recommended.
- Under no circumstances may seat covers be fitted which have not been specifically approved for use on Volkswagen seats with side airbags.
- The foam padding in the seat backrest must not be cut away in the vicinity of the side airbag.
- When installing, make sure the seam for the side airbag is straight.
- All padding clips (metal and plastic clips) must be renewed.
- ♦ The use of genuine upholstery clips is recommended.
- When installing, all upholstery clips must be fitted in the same positions as the original ones.

- If the seat cover fabric is damaged (tears, burn marks, etc.) in the vicinity of the side airbag, the cover must always be replaced for safety reasons, as otherwise the side airbag will not inflate properly.
- Repairs may not be carried out on the backrest cover in the area of the side airbag (because of the special thread and precisely defined seam).
- Always renew the backrest padding after the side airbags have been triggered.
- All damaged components must be renewed following an accident. The original airbag unit can still be used if no signs of damage are found.
- If side airbag units are renewed, the sticker for the airbag number must be removed from the new side airbag unit and stuck over the old sticker on the seat pan.
- Never poke upholstery needles or any other sharp objects through the seat cover fabric in the vicinity of the airbag, seat occupied sensor, front passenger side -G128- and the seat occupied sensor mat.

## 1.8 Additional safety instructions for curtain airbag

- Inspect trims for damage prior to installing them.
- Repair work on trims is not permissible (upper A-pillar trim, B-pillar trim, C-pillar trim and D-pillar trim).
- Ensure proper seating of trims when installing them.
- When performing repair work behind the curtain airbag, always remove the entire module.
- ◆ To prevent any potential damage during removal and installation, curtain airbags must be handled with extreme caution.
- Place removed curtain airbag modules in packaging or on a clean, flat surface on a cover.
- After body repairs in vicinity of curtain airbag, check body for weld spray droplets, deformations and areas of chafing (compare with opposite side if necessary).
- Until the gas generator is screwed in place, always hold it firmly by hand when handling (transportation, removal and installation, etc.).
- Never twist, kink, throw, shake, pull, hang, squeeze, press, pinch or clamp any curtain airbag modules.
- Folding is acceptable as long as no damage is caused (in particular to the protective sleeve).

# 1.9 Safety regulations for crash sensors (pressure sensors) for front side airbags

The side airbag crash sensors respond to changes in pressure and must therefore be treated with particular caution. Please observe the following points:

- The correct installation position is vitally important: install only in the specified location in the door.
- Protect the crash sensor against mechanical shocks and impacts: any crash sensors which have been dropped must no longer be used. Remove the crash sensor when carrying out bodywork on the door.



- The crash sensor is matched to the volume of air inside the door: deformation of the door, resulting in a reduction in the air space in the door, impairs the function of the crash sensor.
- Avoid any major soiling of the crash sensor: do not use compressed air in the vicinity of the crash sensor. Protect the crash sensor against swarf from filing or drilling (example, during retrofitting of door speakers). Do not use cavity sealants or spray oil in the vicinity of the crash sensor.
- Protect against heat/cold: avoid heat effects, for example during spray painting or other body shop operations. The crash sensors must not be exposed to temperatures below -40°C (for example in aircraft holds without air conditioning).
- The crash sensor must be protected against humidity during storage and installation.

For the crash sensor to function properly, it is vital to ensure that the door forms an effective seal after being fitted. Please observe the following points:

- All components (e.g. cover, speakers, door trim) must be correctly fitted.
- The door trim retaining clips seal the system. If necessary, renew retaining clips.

# 1.10 Additional safety instructions for repair work on seat occupied recognition for front passenger airbag deactivation - country-specific

- ◆ Basic settings of seat occupied recognition control unit must be performed after each repair to front passenger seat in which the seat and/or the backrest was »detached« ⇒ Vehicle diagnostic tester.
- The mat of the seat recognition sensor must not be kinked.
- A leaky mat must be replaced (repair kit).
- The pressure hose of the mat must not be kinked.
- The components of the seat occupied recognition (repair kit) must not fall on hard surfaces, come into contact with grease or be damaged by pointed/sharp objects.
- The mat, the fleece and all other covers must fitted without folds/creases.
- During installation, care must be taken to install seat padding and seat cover in correct installation position.
- Replace all upholstery clips or other clips and ensure they are positioned correctly on the seat.
- ◆ The basic setting of the system is only possible between temperatures of 0°C and +40°C for the airbags 8.R and 9.\*. For airbag 10.\* the basic setting of the system is only possible between temperatures of 5°C and 35°C.
- Ensure that no object is on the seat before and/or during the basic settings.
- The use of additional items on the seat, such as cushions or similar, impairs the functioning of the seat occupied recognition system and can therefore prevent the airbag system from functioning correctly.

# 1.11 Measures for seat occupied recognition for front passenger airbag deacti-

#### vation following an accident - countryspecific

- After each airbag or belt tensioner deployment on the front passenger side, basic setting of seat occupied recognition control unit must always be carried out ⇒ Vehicle diagnostic tester
- ♦ If the seat rail and/or seat pan are replaced due to deformation after an accident, the seat occupied recognition system must be replaced by the "seat occupied recognition repair kit". After that, perform <a href="basic settings">basic settings</a> of seat occupied recognition control unit ⇒ Vehicle diagnostic tester.

# 1.12 Renewing pyrotechnic, electrical and mechanical components of the restraint system after an accident

#### Special tools and workshop equipment required

Vehicle diagnostic tester

#### The airbag control unit must be renewed:

- ♦ If the display Control unit defective appears when the event memory is read
- After 3 side airbag, driver airbag, front passenger airbag or belt tensioner deployments
- ◆ In the event of damage to the housing
- In the event of deformation to the tunnel within a 200 mm radius of the control unit

#### Always renew the following:

All triggered airbag units.

#### If front passenger airbag was triggered, also renew:

- Dash panel
- Supports for front passenger airbag unit which have been bent out of shape (must not be bent back into shape)
- All sensors for front airbag at front end
- Remaining sensors for lateral acceleration in event of deformation of attachment points in vicinity of sensors

#### If driver airbag was triggered, also renew:

- Return spring with slip ring
- All sensors for front airbag at front end
- Remaining sensors for lateral acceleration in event of deformation of attachment points in vicinity of sensors

#### If side airbag(s) were triggered, also renew:

- Pressure sensors on the triggered side
- Lateral acceleration sensors on the side affected
- Seat cover
- Padding
- ♦ In case of folding backrest: side padding (if fitted)
- Remaining sensors for lateral acceleration in event of deformation of attachment points in vicinity of sensors



#### Additionally:

- All belt inertia reels with triggered belt tensioners
- All belt inertia reels with triggered belt tensioners
- Belt buckles for all belt inertia reels with triggered belt tensioners and seat belt engaged
- Belt height adjuster (mechanical and electrical) for all belt inertia reels with triggered belt tensioners and seat belt engaged
- If you suspect that belt tensioners or belt force limiters have been triggered, connect a vehicle diagnostic tester.
- Under 15 Airbag in Guided Fault Finding check whether there is a crash entry logged for the airbag control unit.
- At the same time check whether the Resistance too high event is also logged for belt tensioners and/or belt force limiters. Triggered belt tensioners and/or belt force limiters have to meet both conditions. "Prerequisite: The airbag control unit has not yet been renewed".



#### Note

- ♦ The Resistance too high event can also be logged in the event of a cable break. Under normal circumstances, no crash entry is then logged.
- ◆ In addition, note the section: Checking seat belts <u>⇒ page</u> 10.
- If parts of the belt system are removed because of an accident, the belt system bolts must be renewed.
- In addition, the following must also be replaced if necessary (visual check): all damaged components.

#### 1.13 Checking airbag securing parts after an accident

All damaged securing parts must always be renewed. It is not permissible to bend the components back into shape or »make them fit«.

The following components must be checked after the relevant airbag has been triggered.

#### If front passenger airbag was triggered:

- Central tube for dash panel; it must be possible to install the supports for the front passenger airbag and front passenger airbag unit tension-free. Otherwise the central tube for dash panel must also be renewed.
- Check the glove compartment for damage. Renew it if damaged.

#### If driver airbag was triggered:

- Steering wheel: remove the steering wheel and place on a flat surface together with the steering collar. The full face of the steering collar must be in contact with the flat surface. Otherwise the steering wheel must be renewed.
- ♦ Check steering wheel for smoke residue. If any smoke residues are found, the steering wheel must be renewed.

#### 1.14 Accident without airbag triggering

 If no fault in the airbag system is indicated in the dash panel insert, there is no requirement to renew pyrotechnic components. The seat belts should be checked separately.

#### 1.15 Checking seat belts

The seat belt system must be inspected systematically after every accident! If damage is determined at any of the points to be checked, customer must be informed regarding necessity of changing belts.

#### Points to check

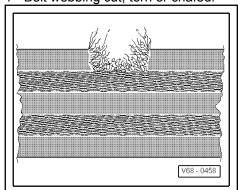
- ◆ Check belt webbing ⇒ page 10.
- Check inertia reel (locking mechanism) ⇒ page 11.
- ♦ Visually check belt buckle ⇒ page 11.
- ◆ Check operation of belt buckle ⇒ page 12.
- Check belt guide fittings and latch plates ⇒ page 12.
- Check securing parts and anchorage points ⇒ page 12.
- ◆ Checking seat belt restraint function for holding additional child seats (not for driver seat belt) - country-specific <u>⇒ page</u>
   13.

If the customer declines to have a damaged seat belt renewed, an appropriate comment should be made in the service notes.

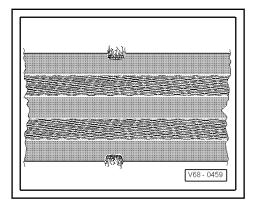
#### 1.16 Check belt webbing

#### **Procedure**

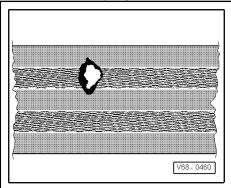
- Pull belt completely out of inertia reel or lap belt adjustment plate.
- Check belt webbing for soiling, and if necessary wash with a mild soapy solution ⇒ Owner's Manual.
- If either of the types of damage illustrated below (1 and 2) are determined on accident vehicle, renew seat belt complete with belt buckle.
- If damage as illustrated under points 1, 2 or 3 is determined on a vehicle which has not been involved in an accident, it is sufficient to renew damaged belt only.
- 1 Belt webbing cut, torn or chafed.



2 - Torn webbing loops on belt edge.



3 - Burns caused by cigarettes or similar.



# 1.17 Checking inertia reel (locking mechanism)

The inertia reel has two locking functions.

◆ The first locking function is triggered by the belt being jerked out of the reel (belt extension acceleration).

#### Test 1

- Pull belt out of inertia reel with firm jerk.
- Will not lock renew seat belt complete with buckle.
- If difficulties are experienced when belt is extended or retracted, first check whether position of inertia reel has been altered.
- The second locking function is triggered by a change in vehicle speed (vehicle-dependent locking function).

#### Test 2

- For safety reasons, the road test should be carried out on a traffic-free stretch to ensure that other road users are not endangered.
- Put on seat belt.
- Accelerate vehicle to 20 km/h and then carry out emergency braking with foot brake.
- If seat belt is not locked by locking mechanism during braking procedure, renew seat belt complete with buckle.

#### 1.18 Visually checking belt buckle

- Inspect belt buckle for cracks and chips.
- If damage is determined, renew seat belt complete with belt buckle.

#### Check operation of belt buckle

#### Checking belt buckle

- Push buckle tongue into belt buckle until it engages audibly. Check whether locking mechanism is properly engaged by pulling firmly on belt webbing.
- If buckle tongue fails even once to engage properly in belt buckle during at least 5 tests, renew seat belt complete with belt buckle.

#### Checking release mechanism

- Release seat belt by pressing button on belt buckle with finger pressure. When belt is slack, latch plate must spring out of belt buckle on its own.
- Carry out test at least 5 times. If buckle tongue fails even once to spring out of buckle, renew seat belt complete with belt buckle.



#### CAUTION

Danger of injury from seat belt malfunction.

Under no circumstances may lubricant be used to eliminate noise or stiffness in belt buckle buttons.

#### 1.20 Checking belt relays, and buckle tongues

Plastic-coated fittings show fine, parallel scoring after stress on belt system (when belt was fastened during accident). (On the other hand, wear caused by frequent belt use can be recognized by smooth wear, free of lines.)

- Inspect for deformation, fracturing and cracks in plastic.
- If scoring and/or damage is determined, renew seat belt complete with belt latch.

#### 1.21 Checking securing parts and anchorage points after an accident

- Latch plate deformed (stretched)
- Height adjustment does not function.
- Anchorage points (seat, pillars, underbody) distorted or thread damaged
- If damage is determined on these parts, renew seat belt complete with belt buckle.
- If parts of the belt system are removed because of an accident, the belt system bolts must be renewed.
- Renew anchorage points.



#### Note

In the case of damage resulting not from an accident but, for example, from wear, only the part which is actually damaged need be renewed.

# 1.22 Checking seat belt restraint function for holding additional child seats (not for driver's seat belt) - country-specific

For the functional check, all seat belt components including the side trim must be installed.

#### Activating the restraint function

Pull out seat belt webbing completely to stop.

#### Correct function

- The belt must retract with an audible noise.
- If the belt retraction is stopped, it should not be possible to pull the belt out again until the function is deactivated.

#### Deactivating

- ♦ Allow the belt to retract as far as the last 100 mm (approx.).
- The restraint function must switch off at the latest when 100 mm of the seat belt webbing are still pulled out. The belt then works normally again.

If the seat belt restraint function for holding additional child seats does not work properly, the seat belt must be renewed.

## 1.23 Checking child seat anchors after an accident

#### Points to check

- Child seat anchors must be checked for damage and deformation after an accident.
- Child seat anchors welded to the body or the seats/backrests or bolted in place may not be repaired or straightened.
- Child seat anchors bolted to the body or the seats/backrests must be renewed in the event of damage or deformation.
- The child seat anchor bolts must be renewed if the bracket is damaged.

### 1.24 Safety instructions for automatic anti-dazzle interior mirror

#### Danger of injury from liquid electrolyte.

The liquid electrolyte can irritate skin, eyes and respiratory organs.

- Wear safety goggles.
- Wear protective gloves.

#### Risk of damage to plastic parts from liquid electrolyte.

 If any liquid electrolyte does get onto surfaces, remove it immediately using water and a cloth.

#### 2 Repair notes

⇒ c2.1 orrosion", page 14

⇒ a2.2 nd attachment of lines", page 14

#### 2.1 Contact corrosion

Contact corrosion can occur if unsuitable fastening elements (screws, bolts, nuts, washers) are used.

For this reason, only fastening elements with special surface coating are used.

In addition, rubber, plastic and adhesives are made of non-conductive materials.

In case of doubt about the reusability of parts renew them ⇒ Electronic parts catalogue.

#### Observe the following:

- It is recommended to use genuine parts which are tested and compatible with aluminium.
- Damage resulting from contact corrosion is not covered by the warranty.

#### 2.2 Routing and attachment of lines

If hydraulic, pneumatic or electrical lines are disconnected or removed and installed, make corresponding drawings or photos. This guarantees installation in the original position.

## 68 – Interior equipment

#### 1 Compartments/covers

```
    ⇒ o1.1 f fitting locations - storage compartments/covers", page 15
    ⇒ o1.2 verview - driver side dash panel cover", page 16
    ⇒ o1.3 verview - steering column trim", page 17
    ⇒ o1.4 verview - glove compartment", page 18
    ⇒ a1.5 nd installing dash panel cover on driver side", page 19
    ⇒ a1.6 nd installing dash panel insert trim", page 20
    ⇒ a1.10 nd installing dash panel cover on front passenger side", page 23
    ⇒ a1.7 nd installing upper steering column trim", page 21
    ⇒ a1.8 nd installing lower steering column trim", page 22
    ⇒ a1.9 nd installing glove compartment opener", page 23
    ⇒ a1.11 nd installing glove compartment", page 25
```

⇒ a1.12 nd installing glove compartment cover", page 26

page 26

⇒ a1.13 nd installing restrictor for glove compartment cover",

#### 1.1 Overview of fitting locations - storage compartments/covers

#### 1 - Dash panel trim panel

□ Removing and installing ⇒ page 126

#### 2 - Loudspeaker trim

☐ Removing and installing <del>⇒ page 126</del>

#### 3 - Dash panel

□ Removing and installing ⇒ page 127

#### 4 - Glove compartment

□ Assembly overview ⇒ <u>page 18</u>

#### 5 - Front passenger-side dash panel trim

□ Removing and installing ⇒ page 23

#### 6 - Centre console

□ Assembly overview ⇒ page 36

#### 7 - Tunnel support cover

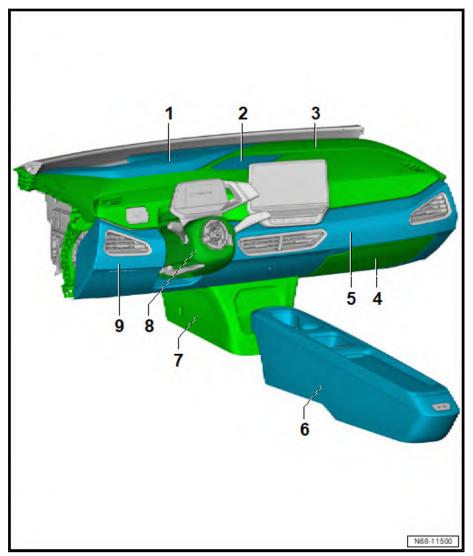
□ Removing and installing ⇒ page 127

#### 8 - Steering column trim

□ Assembly overview <u>⇒</u> <u>page 17</u>

#### 9 - Driver side dash panel cover

□ Assembly overview ⇒ <u>page 16</u>



#### Assembly overview - driver side dash panel cover 1.2

#### 1 - Dash panel end cover

□ Removing and installing ⇒ page 125

#### 2 - Clips

- ☐ Check for damage and renew if necessary
- ☐ Qty. 3 on side
- ☐ Qty. 2 facing direction of travel

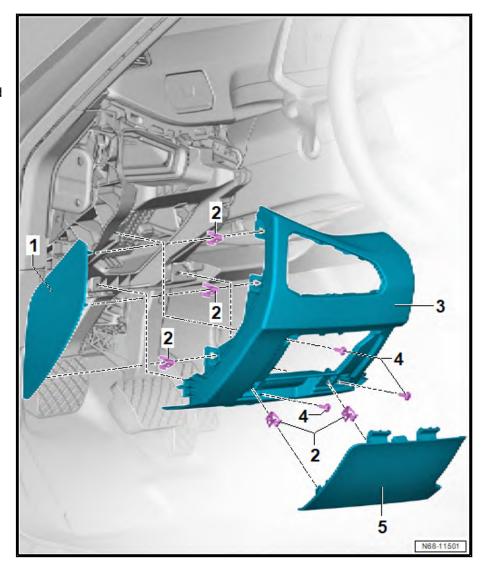
## 3 - Driver side dash panel cover

□ Removing and installing ⇒ page 19

#### 4 - Bolt

- □ 1.5 Nm
- □ Qty. 3

#### 5 - Fuse box cover



### 1.3 Assembly overview - steering column trim

#### 1 - Gap cover for dash panel insert

□ Removing and installing <u>⇒ page 20</u>

#### 2 - Upper steering column trim

□ Removing and installing ⇒ page 21

## 3 - Lower steering column

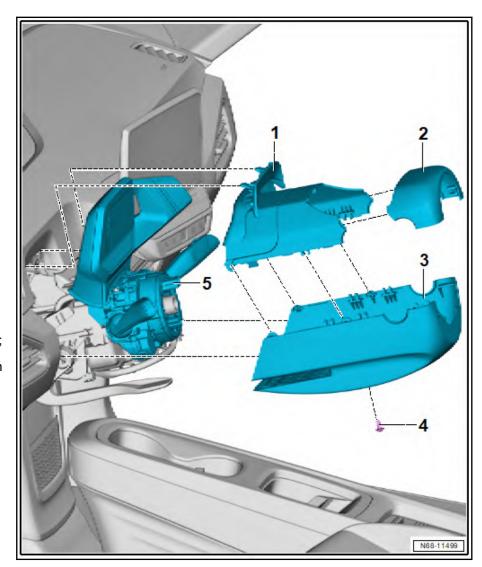
☐ Removing and installing ⇒ page 22

#### 4 - Bolt

□ 2.5 Nm

#### 5 - Steering column switch module

□ Assembly overview
⇒ Electrical system;
Rep. gr. 94; Steering column switch module; Assembly overview steering column switch module



#### Assembly overview - glove compartment 1.4

#### 1 - Bolt

- □ Qty. 2
- □ 1.5 Nm

#### 2 - Glove compartment cover

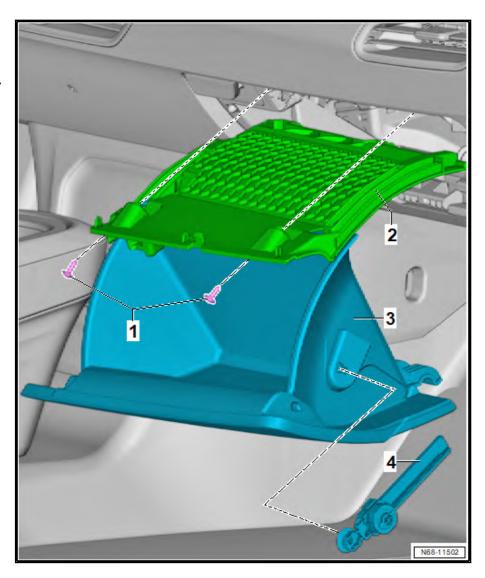
□ Removing and installing ⇒ page 26

#### 3 - Glove compartment

□ Removing and installing ⇒ page 25

#### 4 - Restrictor

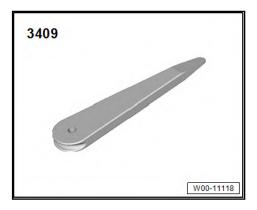
□ Removing and installing ⇒ page 26



# 1.5 Removing and installing dash panel cover on driver side

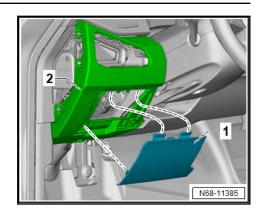
Special tools and workshop equipment required

♦ Removal wedge -3409-

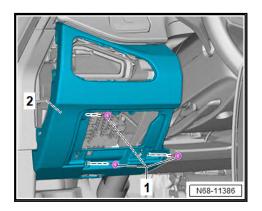


#### Removing

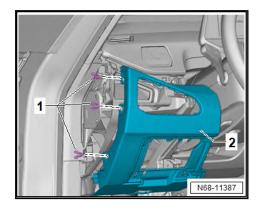
- Remove dash panel end cover on driver side ⇒ page 125.
- Unclip lower section of fuse box cover -1-.



- Pull fuse box cover -1- downwards out of driver-side dash panel trim -2-.
- Unscrew 3 bolts -1- from driver-side dash panel trim -2-.



Remove 3 clips on sides -1- using removal wedge -3409-.



- Remove driver-side dash panel trim -2- from dash panel.

#### Installing

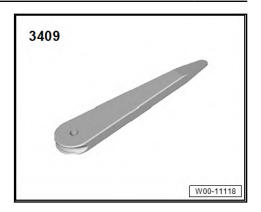
Install in reverse order of removal.

#### **Specified torques**

- ◆ ⇒ o1.2 verview driver side dash panel cover", page 16
- 1.6 Removing and installing dash panel insert trim

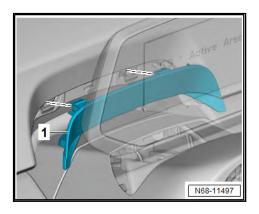
Special tools and workshop equipment required

♦ Removal wedge -3409-

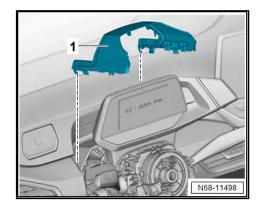


#### Removing

- Move steering wheel to rearmost and lowest position (when seen in direction of travel). Use the full range of the steering column adjustment for this purpose.
- Unclip front section of gap cover for dash panel insert -1from dash panel using removal wedge -3409-.



- Unclip gap cover for dash panel insert -1- upwards.



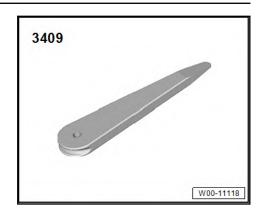
#### Installing

Install in reverse order of removal.

#### Removing and installing upper steering 1.7 column trim

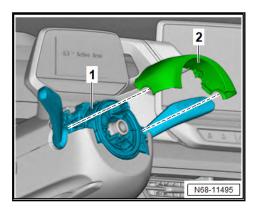
Special tools and workshop equipment required

Removal wedge -3409-



#### Removing

- Move steering wheel to rearmost and lowest position (when seen in direction of travel). Use the full range of the steering column adjustment for this purpose.
- Remove airbag unit with igniter <u>⇒ page 77</u>.
- Remove steering wheel ⇒ Running gear, axles, steering; Rep. gr. 48; Steering wheel; Removing and installing steering wheel.
- Using removal wedge -3409-, carefully lever upper steering column trim -2- towards rear (when seen in direction of travel) off steering column switch module -1-.



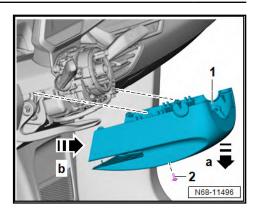
#### Installing

Install in reverse order of removal.

#### Removing and installing lower steering 1.8 column trim

#### Removing

- Move steering wheel to rearmost and lowest position (when seen in direction of travel). Use the full range of the steering column adjustment for this purpose.
- Remove airbag unit with igniter ⇒ page 77.
- Remove steering wheel ⇒ Running gear, axles, steering; Rep. gr. 48; Steering wheel; Removing and installing steering wheel.
- Remove upper steering column trim ⇒ page 21.
- Unscrew bolt -2- securing lower steering column trim -1-.
- Swivel lower steering column trim -1- downwards, and unclip it in direction of -arrow a-.



Remove lower steering column trim -1- downwards in direction of -arrow b-.

#### Installing

Install in reverse order of removal.

#### **Specified torques**

◆ ⇒ o1.3 verview - steering column trim", page 17

#### 1.9 Removing and installing glove compartment opener



#### Note

The glove compartment opening mechanism is clipped onto the backside of the front passenger-side dash panel trim.

#### Removing

- Remove dash panel end cover on driver side <u>⇒ page 125</u>.
- Remove glove compartment ⇒ page 25.
- Remove glove compartment cover <u>⇒ page 26</u>.
- Remove centre vent ⇒ page 133.
- Remove dash panel cover on front passenger side ⇒ page
- On backside of front passenger-side dash panel trim, press 2 retaining tabs against each other.
- Guide glove compartment opening mechanism out of front passenger-side dash panel trim.

#### Installing

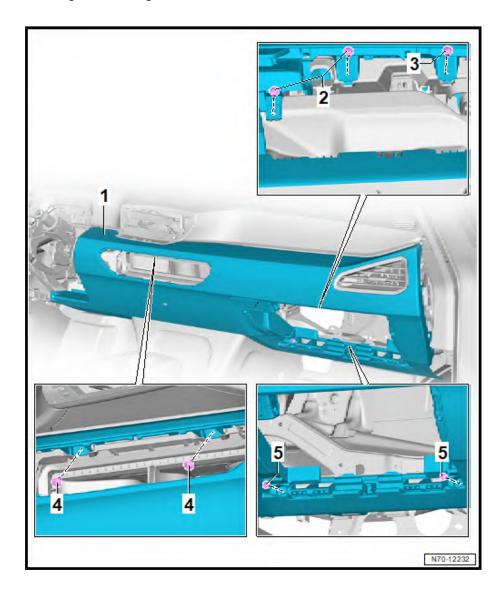
Install in reverse order of removal.

#### 1.10 Removing and installing dash panel cover on front passenger side

#### Removing

- Remove dash panel end cover on front passenger side ⇒
- Remove glove compartment ⇒ page 25.
- Remove glove compartment cover ⇒ page 26.
- Remove centre vent <u>⇒ page 133</u>.

- Unscrew bolts -2-, -3-, -4- and -5- from front passenger-side dash panel trim -1-.
- Unclip front passenger-side dash panel trim -1- from mountings in dash panel.
- If fitted, disconnect electrical connector from vehicle interior temperature sensor -G1090-.
- Disconnect electrical connector of right footwell light -W10-.



#### Installing

Install in reverse order of removal, observing the following:

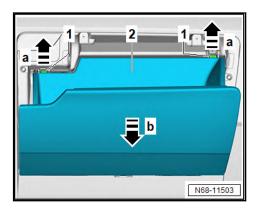
#### Specified torque

Component	Specified torque
Bolts for dash panel cover on front passenger side	1.5 Nm

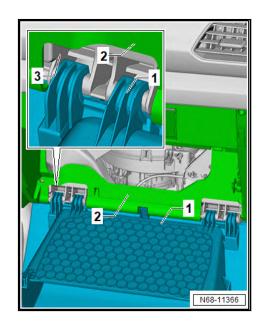
#### 1.11 Removing and installing glove compartment

#### Removing

- Open glove compartment -2-.



- Push limit stops -1- of glove compartment -2- upwards in direction of -arrows a-.
- Fold out glove compartment -1- as far as stop in direction of -arrow b-.
- Unclip glove compartment -1- from mountings -3- of dash panel trim on front passenger side -2-.



#### Installing

Install in reverse order of removal, observing the following:



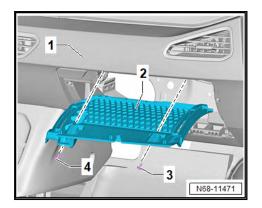
Note

Before installing, check all fasteners for damage, and renew them if necessary.

## 1.12 Removing and installing glove compartment cover

#### Removing

- Remove glove compartment <u>⇒ page 25</u>.
- Unscrew bolts -3- and -4- from glove compartment cover -2-.



Unclip glove compartment cover -2- from dash panel trim
 -1-

#### Installing

Install in reverse order of removal.

#### Specified torque

Component	Specified torque
Glove compartment cover bolts	1.5 Nm

# 1.13 Removing and installing restrictor for glove compartment cover

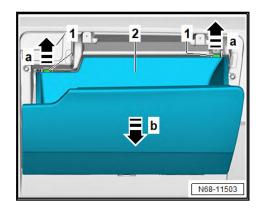


#### Note

- For this vehicle, the component concerned is a restrictor for glove compartment.
- ♦ The cover is an integral part of the glove compartment.

#### Removing

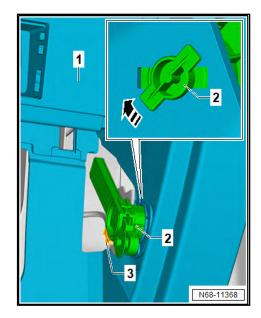
- Open glove compartment -2-.



 Push limit stops -1- of glove compartment -2- upwards in direction of -arrows a-.



- Fold out glove compartment as far as stop in direction of -arrow b-.
- If fitted, release and pull off electrical connector -3- for glove compartment light switch -E26- on damper element -2-.



Turn damper element -2- in direction of -arrow- in mounting of front passenger-side glove compartment -1-, and remove it.

#### Installing

Install in reverse order of removal.



#### Note

Before installing, check all fasteners for damage, and renew them if necessary.

#### 2 **Equipment**

- ⇒ o2.1 verview sun visors", page 28
- ⇒ a2.2 nd installing sun visor", page 28
- ⇒ a2.3 nd installing sun visor centre mount", page 31
- ⇒ a2.4 nd installing roof grab handle", page 32

#### Assembly overview - sun visors 2.1



Note

The illustration shows the left side.

#### 1 - Sun visor

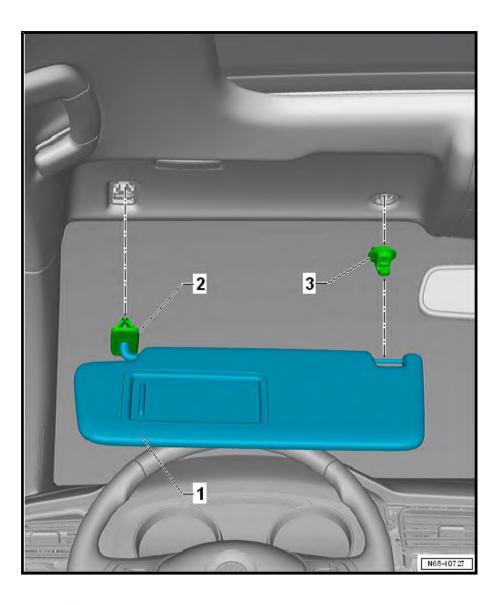
☐ Removing and installing ⇒ page 28

#### 2 - Sun visor mount

☐ Cannot be separated from sun visor.

#### 3 - Sun visor centre mount

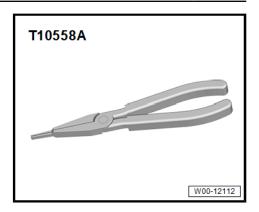
☐ Removing and installing <u>⇒ page 31</u>



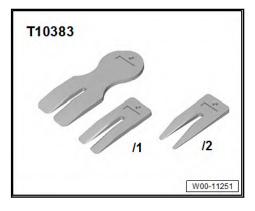
#### Removing and installing sun visor 2.2

Special tools and workshop equipment required

♦ Release pliers -T10558A-



♦ Wedge -T10383-



♦ Wiring harness repair set (220 V) -VAS 1978B-



#### Note

Removal and installation are described for the left side.

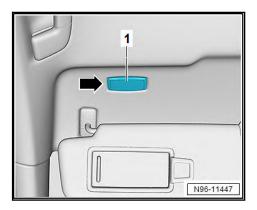
#### Removing

- Swing sun visor towards front.



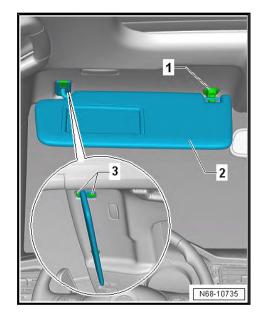
Risk of damage to component surfaces.

- Before using a lever, always mask off the components installed in visible areas using commercially available adhesive tape.
- Lever off light -1- for vanity mirror using a flat-head screwdriver at recess -arrow-.



- Disconnect electrical connector.

 Detach sun visor -2- from sun visor centre mount -1-, and fold it aside.



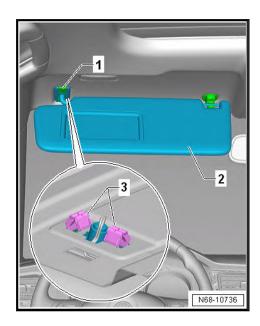
 Remove caps -3- from sun visor bracket using a small screwdriver.



#### Note

Position the retaining pliers -T10558A- centrally in the retaining clips for the following work steps.

 Seen in direction of travel, detach foremost retaining clip -3in sun visor bracket -1- from body using pliers -T10558A-.



- Pull sun visor -2- lightly downwards to prevent retaining clip
   -3- from re-engaging unintentionally.
- Seen in direction of travel, detach rearmost retaining clip -3in sun visor bracket -1- from body using pliers -T10558A-.
- Remove sun visor -2- with retaining clips -3- downwards.
- Remove transportation lock.

Pull wiring harness towards front when seen in direction of travel.



### Note

Carefully pull wiring harness towards front in direction of travel taking care not to damage it. Use wiring harness repair set (220 V) -VAS 1978B- if repairs to the wiring harnes's become necessary. Lower the moulded headliner if required.

- Release and disconnect electrical connector.
- Remove sun visor -2-.

### Installing



### Note

Before installing, check all fasteners for damage and renew if necessary.

- Wrap electrical connector with one layer of foam tape.
- Grasp with one finger through hole of light for vanity mirror
- and slightly pull down moulded headliner.
- Push electrical connector between moulded headliner and roof cross member towards rear by approx. 6 cm.
- Engage foremost (when seen in direction of travel) retaining clip in sun visor bracket.
- Engage rearmost (when seen in direction of travel) retaining clip in sun visor bracket.
- Ensure that both retaining clips are properly engaged in

Continue the installation in reverse order of removal, observing the following:

Perform functional check.

#### 2.3 Removing and installing sun visor centre mount

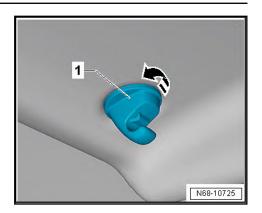


### Note

Removal and installation are described for the left side.

### Removing

- Detach sun visor and fold it aside.
- Turn sun visor centre mount -1- anti-clockwise by approx. 90° (direction of -arrow-).



- Remove sun visor centre mount -1- downwards.

### Installing

Install in reverse order of removal.

# 2.4 Removing and installing roof grab han-

⇒ o2.4.1 verview - roof grab handle", page 32

⇒ a2.4.2 nd installing roof grab handle", page 33

#### 2.4.1 Assembly overview - roof grab handle



The illustration shows the left side.

### 1 - Moulded headliner

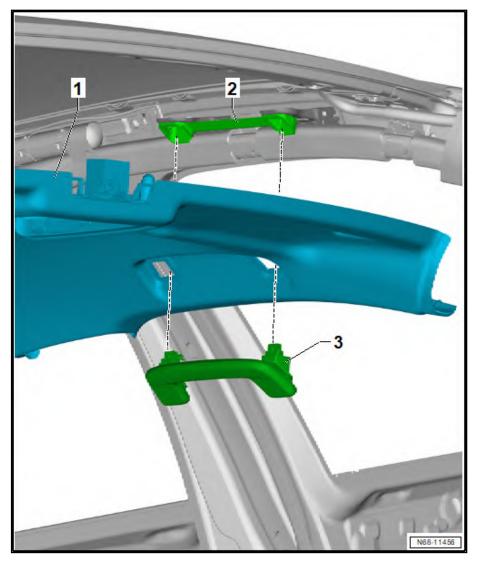
Removing and installing ⇒ page 169

### 2 - Spacer

- Between body and moulded headliner
- Clipped to roof grab handle.
- ☐ Before reinstalling, ensure that it is in the proper installation position and correct if necessary.
- Spacer must always be installed

### 3 - Roof grab handle

☐ Removing and installing ⇒ page 32



### Removing and installing roof grab han-2.4.2 dle

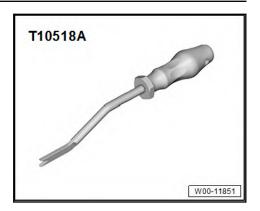


Note

Removal and installation are described for the left side.

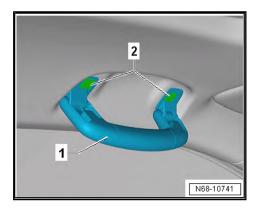
Special tools and workshop equipment required

Release tool -T10518A-

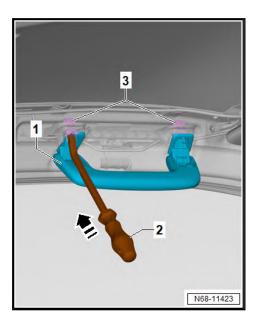


### Removing

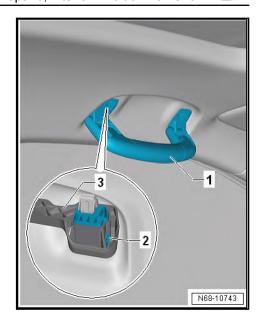
- Fold down roof grab handle -1- and remove caps -2-.



Fold down roof grab handle -1-, and press release tool -T10518A- -2- as far as stop into retaining clip -3- (direction of -arrow-).



- Hold roof grab handle -1- under tension so that retaining clip -3- does not engage again unintentionally.
- Detach retaining clip -3- from spacer using release tool -
- Repeat previous work steps for second retaining clip.



- Pull out roof grab handle -1- downwards.

### Installing

Install in reverse order of removal, observing the following:



## Note

A spacer is installed between the moulded headliner and roof grab handle. Removal of the spacer is not permissible.

Before installing, check installation position of spacer and correct if necessary.



### Note

Before installing, check all fasteners for damage and renew if necessary.

Ensure that both retaining clips are properly engaged in roof grab handle.

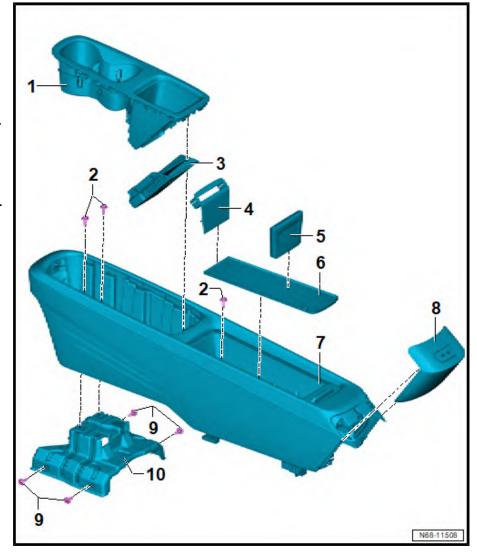
#### 3 Centre console

- ⇒ o3.1 verview centre console", page 36
- ⇒ a3.2 nd installing rear centre console trim", page 36
- ⇒ a3.3 nd installing centre console insert", page 37
- ⇒ a3.4 nd installing centre console", page 38
- ⇒ a3.5 nd installing centre console bracket", page 39

#### 3.1 Assembly overview - centre console

### 1 - Centre console insert

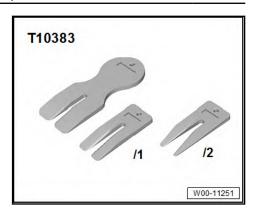
- Removing and installing ⇒ page 37
- 2 Bolt
  - □ Qty. 3
  - □ 6.0 Nm
- 3 Mobile telephone tray rubber mat
- 4 USB trim
- 5 Centre console insert
- 6 Storage compartment rubber mat
- 7 Centre console
  - □ Removing and installing ⇒ page 38
- 8 Rear centre console trim
  - ☐ Removing and installing ⇒ page 36
- 9 Bolt
  - □ Qty. 4
  - □ 6 Nm
- 10 Centre console bracket
  - Removing and installing ⇒ page 39



#### 3.2 Removing and installing rear centre console trim

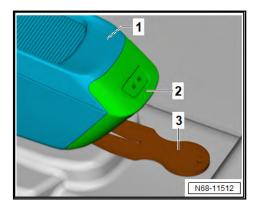
Special tools and workshop equipment required

♦ Wedge -T10383-



## Removing

Using wedge -T10383- -3-, unclip rear centre console trim
 -2- upwards from fasteners in centre console -1-.



 If fitted, release and pull off connector from USB charging socket 1 -U37-.

### Installing

Install in reverse order of removal, observing the following:



### Note

Before installing, check all fasteners for damage and renew if necessary.

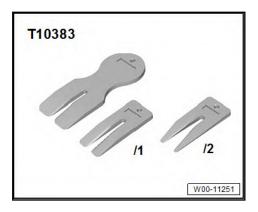
- Press on rear trim until retaining tabs engage audibly.

# 3.3 Removing and installing centre console insert

Special tools and workshop equipment required

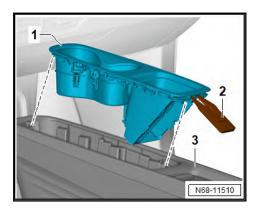


Wedge -T10383-



### Removing

Using wedge -T10383- -2-, unclip centre console insert -1-from fasteners in centre console -3-.



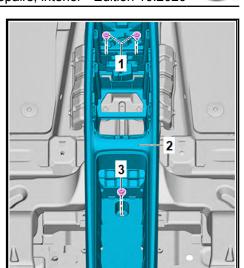
### Installing

Install in reverse order of removal.

#### 3.4 Removing and installing centre console

### Removing

- Remove rubber mat from rear storage compartment.
- Remove centre console insert ⇒ page 37.
- Remove trim at rear of centre console ⇒ page 36.
- Unscrew bolts -1- and -3-.



 Push centre console -2- slightly towards rear in direction of -arrow-, and remove it.

### Installing

Install in reverse order of removal, observing the following:



### Note

Before installing, check all fasteners for damage and renew if necessary.

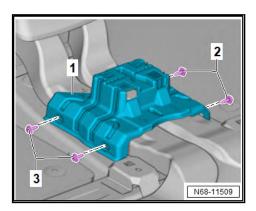
### Specified torques

◆ ⇒ o3.1 verview - centre console", page 36

# 3.5 Removing and installing centre console bracket

### Removing

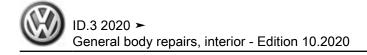
- Remove centre console ⇒ page 38.
- Unscrew bolts -2- and -3-.



- Detach centre console bracket -1-.

### Installing

Install in reverse order of removal.





# Note

Before installing, check all fasteners for damage and renew if necessary.

### Specified torques

◆ ⇒ o3.1 verview - centre console", page 36

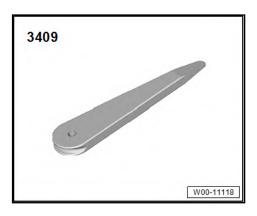
#### Front centre armrest 4

### ⇒ a4.1 nd installing front centre armrest", page 41

#### 4.1 Removing and installing front centre armrest

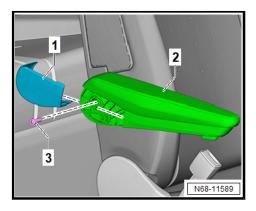
### Special tools and workshop equipment required

♦ Removal wedge -3409-



### Removing

- Lever off trim -1- using removal wedge -3409-.



- Unscrew bolt -3- from armrest -2-.

### Installing

Install in reverse order of removal.



### Note

When installing, take care not to jam the covers.

### **Specified torques**

Component	Specified torque
Bolt	20 Nm

#### 5 On inside

- ⇒ o5.1 verview interior mirror", page 42
- ⇒ a5.2 nd installing interior mirror", page 42

#### 5.1 Assembly overview - interior mirror

### 1 - Cover

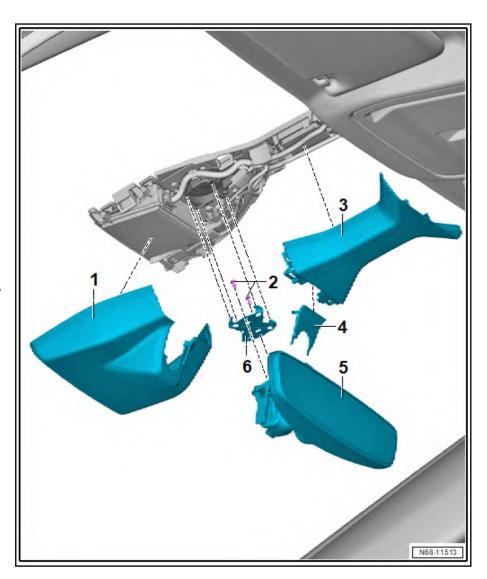
□ For front camera for driver assist systems -R242-

### 2 - Bolts

- □ Qty. 2
- □ 1.5 Nm
- 3 Cable guide cover
- 4 Cover
- 5 On inside
  - □ Removing and installing ⇒ page 42

### 6 - Spring clip

- □ Always renew spring clip after removal of interior mirror
- □ Allocation ⇒ Electronic parts catalogue



#### 5.2 Removing and installing interior mirror

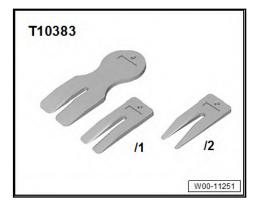


### Note

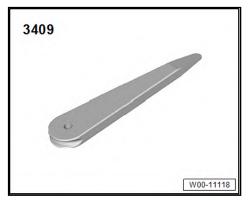
- Renew the spring clip each time the interior mirror has been removed ⇒ Electronic parts catalogue.
- Make sure that the components are from the same supplier.

### Special tools and workshop equipment required

♦ Wedge -T10383-

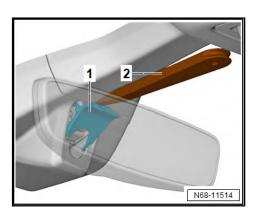


♦ Removal wedge -3409-

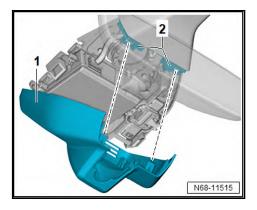


### Removing

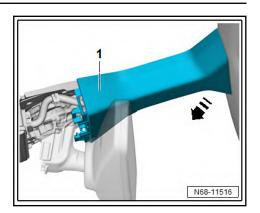
- Use removal wedge -3409- -2- to unclip cover -1-.



Unclip cover of front camera for driver assist systems -R242-1- from mountings in cable duct cover -2-.



- Unclip cable duct cover -1- in direction of -arrow-.



- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Release and disconnect connector -2- on interior mirror.
- Insert screwdriver -1- or drift with a diameter of exactly 4.5 mm into gap.

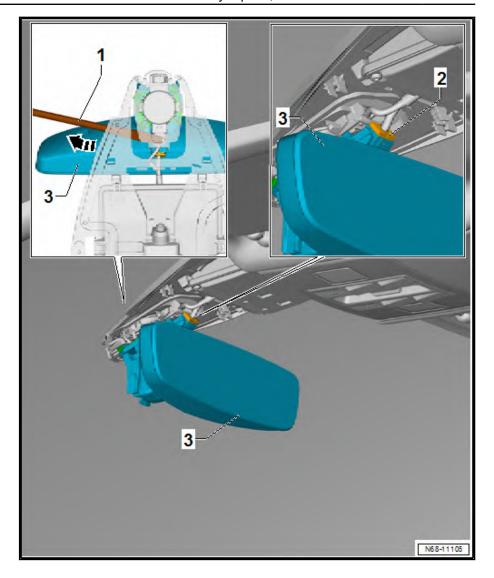


### Note

When performing the following step, ensure that the screwdriver/drift is inserted while turning but do not use as a lever.

- Turn interior mirror -3- at mirror base anti-clockwise by approx.  $20^{\circ}$  in direction of -arrow-.
- Pull off interior mirror -3- downwards.



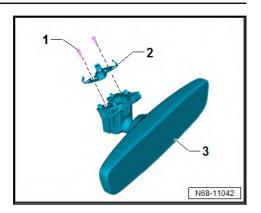


## Installing



# Note

- Renew the spring clip each time the interior mirror has been removed ⇒ Electronic parts catalogue.
- Make sure that the components are from the same supplier.
- Unscrew 2 bolts -1-.
- Replace spring clip -2- on interior mirror -3- by a new part.



Fit interior mirror turned by 20° in anti-clockwise direction onto retaining plate.



### Note

Make sure that the mirror is aligned parallel to the retaining plate.

Turn mirror clockwise until it audibly engages in retaining

The remaining installation steps are carried out in the reverse sequence of removal.

### Specified torques

♦ ⇒ o5.1 verview - interior mirror", page 42

# Passenger protection

### Seat belts

- ⇒ o1.1 f fitting locations seat belts and anchorage points", page 47
- ⇒ o1.2 verview front three-point seat belt", page 49
- ⇒ o1.3 verview rear outer three-point seat belt", page 51
- ⇒ o1.4 verview rear centre three-point seat belt", page 51
- ⇒ o1.5 verview front belt buckle", page 52
- ⇒ o1.6 verview rear belt buckle", page 53
- ⇒ a1.7 nd installing front three-point seat belt", page 54
- ⇒ a1.8 nd installing rear three-point seat belt", page 57
- ⇒ a1.9 nd installing rear belt guide", page 60
- ⇒ a1.10 nd installing front belt guide", page 60
- ⇒ a1.11 nd installing front belt end fitting", page 61
- ⇒ a1.12 nd installing rear outer belt end fitting", page 63
- ⇒ a1.13 nd installing front belt buckle", page 64
- ⇒ a1.14 nd installing rear belt buckle", page 64

#### 1.1 Overview of fitting locations - seat belts and anchorage points

Front seats

### 1 - Belt anchor

□ Right

### 2 - Belt anchor

□ Left

### 3 - Front three-point seat belt

- ☐ With driver seat belt tensioner igniter 1 -N153-
- □ Assembly overview ⇒ page 49

### 4 - Front belt end anchor

- □ Left
- □ Assembly overview ≥ page 49

### 5 - Front belt buckles

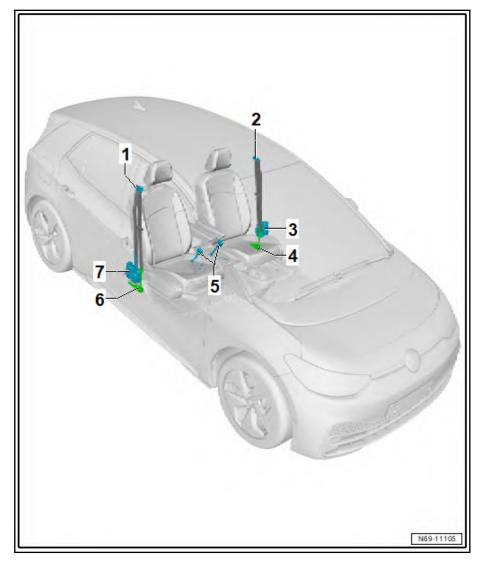
□ Assembly overview ⇒ page 52

### 6 - Front belt end anchor

- ☐ Right
- □ Assembly overview ⇒ page 49

### 7 - Front three-point seat belt

- □ With front passenger seat belt tensioner igniter 1 -N154-
- □ Assembly overview ⇒ page 49



### Rear seats



### 1 - Outer rear three-point seat belt

- ☐ With rear belt tensioner igniter on front passenger side -N197-
- □ Assembly overview ⇒ page 51

### 2 - Rear centre three-point seat belt

□ Assembly overview ⇒ page 51

### 3 - Outer rear three-point seat belt

- ☐ With rear belt tensioner igniter on driver side -N196-
- □ Assembly overview ⇒ page 51

### 4 - Rear outer belt end anchor

□ Assembly overview ⇒ page 51

### 5 - Rear centre belt buckle

- With rear centre belt switch -E609-.
- □ Assembly overview ⇒ page 53

### 6 - Belt buckle

- ☐ LHD vehicles: with rear belt switch, driver side -E258-
- ☐ RHD vehicles: with rear belt switch, passenger side -E259-
- □ Assembly overview ⇒ page 53

### 7 - Rear outer belt end anchor

Assembly overview ⇒ page 51

5

#### 1.2 Assembly overview - front three-point seat belt

N69-11106

#### 1 - Bolt

- If removal is carried out due to an accident with seat belt fastened, renew bolt.
- □ 40 Nm

### 2 - Front belt guide

- Place belt in front belt guide
- □ Removing and installing ⇒ page 60

### 3 - Belt webbing

### 4 - Electrical connector

□ For

- Control unit for front left belt tensioner -J854-
- Control unit for front right belt tensioner -J855-

### 5 - Electrical connector

☐ For

- Driver seat belt tensioner igniter 1 -N153-
- Front passenger seat belt tensioner igniter 1 -N154-

# 6 - Front three-point seat belt, basic version

Removing and installing ⇒ page 54

# 7 - Front three-point seat belt, reversible version

- Front left seat belt -NX10-
- ☐ Front right seat belt -NX11-
- ☐ Equipment version with
- ♦ Control unit for front left belt tensioner -J854- / control unit for front right belt tensioner -J855-
- Driver seat belt tensioner igniter 1 -N153- / front passenger seat belt tensioner igniter 1 -N154-
  - □ Control unit for front belt tensioner -J854-/-J855- must be adapted after renewal of belt inertia reel ⇒ Vehicle diagnostic tester
  - □ Removing and installing ⇒ page 54

### 8 - Nut

- ☐ If removal is carried out due to an accident with seat belt fastened, renew nut.
- ☐ 40 Nm

## 9 - Front belt end anchor

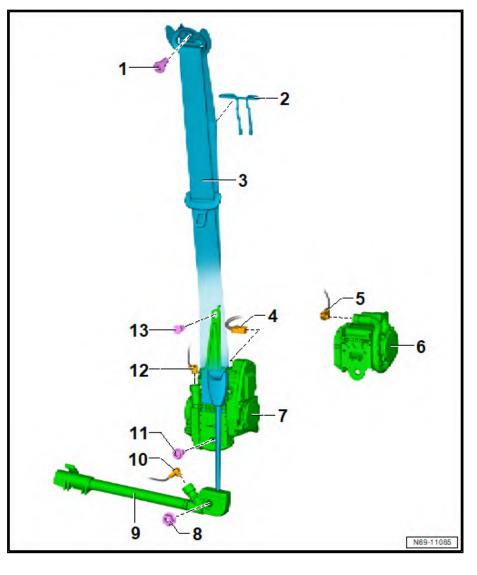
□ Removing and installing ⇒ page 61

### 10 - Electrical connector

□ For

- ◆ Igniter for driver side seat belt tensioner 2 -N297-
- Igniter for front passenger side seat belt tensioner 2 -N298-

### 11 - Bolt



- ☐ If removal is carried out due to an accident with seat belt fastened, renew bolt.
- □ 40 Nm

### 12 - Electrical connector

- □ For
- ◆ Driver seat belt tensioner igniter 1 -N153-
- ♦ Front passenger seat belt tensioner igniter 1 -N154-

### 13 - Spreader rivet

## 1.3 Assembly overview - rear outer three-point seat belt

### 1 - Bolt

- If removal is carried out due to an accident with seat belt fastened, renew bolt.
- □ 40 Nm

### 2 - Electrical connector

- ☐ For
- Rear belt tensioner igniter on driver side -N196-
- Rear belt tensioner igniter on passenger side -N197-

### 3 - Rear three-point seat belt

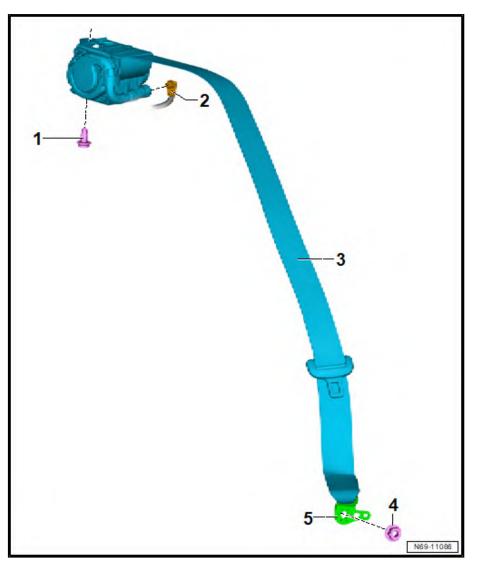
- ☐ Equipment version with
- Rear belt tensioner igniter on driver side -N196-
- Rear belt tensioner igniter on passenger side -N197-
  - □ Removing and installing ⇒ page 57

### 4 - Nut

- If removal is carried out due to an accident with seat belt fastened, renew nut.
- □ 40 Nm

### 5 - Rear outer belt end anchor

□ Removing and installing ⇒ page 63



# 1.4 Assembly overview - rear centre three-point seat belt

### 1 - Frame of rear seat backrest

### 2 - Belt guide

□ Removing and installing ⇒ page 60

# 3 - 3-point seat belt, rear cen-

Removing and installing ⇒ page 59

## 4 - Rear centre belt end fitting

□ Removing and installing ⇒ page 63

### 5 - Rear belt buckle

- Version
- □ RHD vehicles: with rear belt switch, passenger side -E259-
- ☐ RHD vehicles: with rear belt switch, driver side -E258-
- ☐ Renew belt buckle after belt tensioner has deployed with seat belt fastened
- Must rest flat against contact surface when tightening bolt.
- □ Removing and installing ⇒ page 64

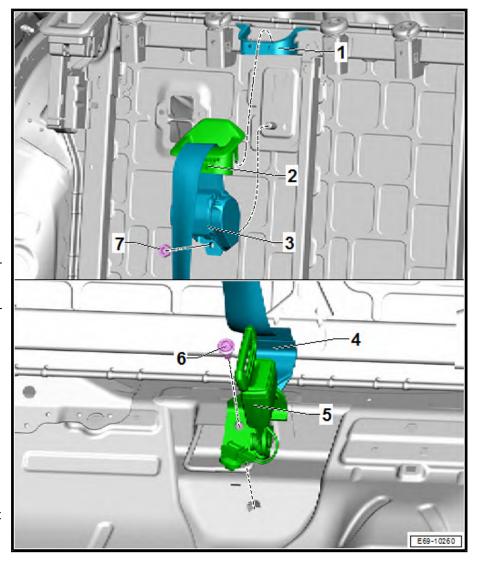
### 6 - Bolt

- ☐ If removal is carried out due to an accident with seat belt fastened, renew bolt.
- □ 40 Nm

### 7 - Nut

- ☐ If removal is carried out due to an accident with seat belt fastened, renew nut.
- □ 40 Nm

#### Assembly overview - front belt buckle 1.5



- 1 Front seat
- 2 Front belt buckle
  - □ With
- Driver seat belt buckle switch -E24-
- Front passenger side belt switch -E25-
  - ☐ Renew belt buckle after belt tensioner has deployed with seat belt fastened
  - □ Removing and installing ⇒ page 64

### 3 - Electrical connector

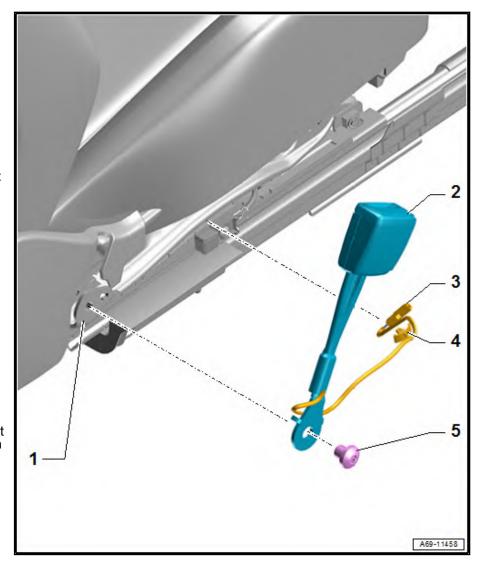
- ☐ For
- ◆ Driver seat belt buckle switch -E24-
- ♦ Front passenger side belt switch -E25-

### 4 - Wiring retainer

☐ Secured in seat pan with clips

### 5 - Bolt

- ☐ If removal is carried out due to an accident with seat belt fastened, renew bolt.
- □ 40 Nm



#### Assembly overview - rear belt buckle 1.6

### 1 - Bolt

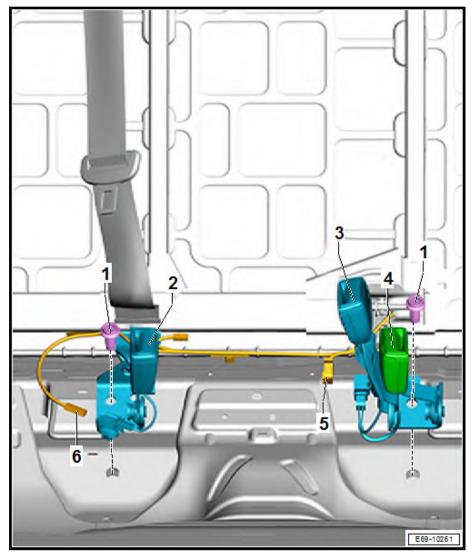
- If removal is carried out due to an accident with seat belt fastened, renew bolt.
- □ 40 Nm

### 2 - Front right belt buckle

- □ RHD vehicles: with rear belt switch, passenger side -E259-
- RHD vehicles: with rear belt switch, driver side -E258-
- Renew belt buckle after belt tensioner has deployed with seat belt fastened
- Must rest flat against contact surface when tightening bolt.
- □ Removing and installing ⇒ page 64

### 3 - Rear centre belt buckle

- Version
- ☐ With rear centre belt switch -E609-.
- Renew belt buckle after belt tensioner has deployed with seat belt fastened
- Must rest flat against contact surface when tightening bolt.
- □ Removing and installing ⇒ page 64



### 4 - Rear left belt buckle

- □ RHD vehicles: with rear belt switch, passenger side -E259-
- □ RHD vehicles: with rear belt switch, driver side -E258-
- Renew belt buckle after belt tensioner has deployed with seat belt fastened
- ☐ Must rest flat against contact surface when tightening bolt.
- ☐ Removing and installing ⇒ page 64

### 5 - Electrical connector

☐ For rear left belt buckle

### 6 - Electrical connector

□ For rear right belt buckle

# 1.7 Removing and installing front threepoint seat belt

### Removing

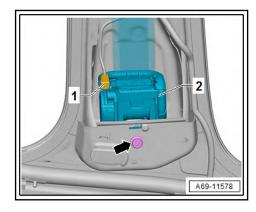
 Observe safety precautions when working on pyrotechnic components ⇒ page 3.



- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Remove bench seat ⇒ page 206 .
- Remove front seat ⇒ page 181.
- Remove front and rear sill panel moulding ⇒ page 142.
- Remove upper and lower B-pillar trim ⇒ page 153.
- Remove front belt end fitting ⇒ page 61.
- Remove front belt guide ⇒ page 60 .
- Unscrew bolt -1-, and remove belt guide fitting with webbing.



### **Basic version**



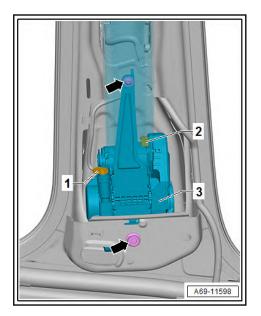
### Λ

### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Disconnect electrical connector of igniter 1 -1-. To do this, pull out connector locking mechanism.
- Unscrew bolt -arrow-, and remove belt inertia reel -2- from mounting.

### Electrically reversible version





## CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Disconnect electrical connector -1- for belt tensioner igniter. Pull out connector locking mechanisms to do this.
- Press release mechanism to disconnect electrical connector -2- for front belt tensioner control unit.
- Remove clip -upper arrow-.
- Unscrew bolt -lower arrow-.
- Remove belt inertia reel -2- from mounting.

### Installing

Install in reverse order of removal, observing the following:

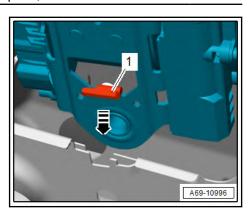
If parts of the belt system are removed because of an accident, the belt system bolts must be renewed.



### Note

Ensure that the electrical connectors are pushed fully onto stop and engage audibly.

Fit belt inertia reel ensuring that anti-rotation tab -1- engages in mounting -arrow- and tighten bolt.





### WARNING

Danger of airbag being triggered.

### Risk of injury.

- Switching on the ignition (key/button) after assembly may only be carried out on the driver seat in the rearmost position.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.

On vehicles with control unit for front left belt tensioner -J854or control unit for front right belt tensioner -J855-, components must be adapted to airbag control unit -J234- after safety belt has been renewed Guided Fault Finding. If Guided Fault Finding has already been started, refresh test plan 15 - AIR-

### **Specified torques**

- ♦ ⇒ o1.2 verview front three-point seat belt", page 49
- 1.8 Removing and installing rear threepoint seat belt

⇒ a1.8.1 nd installing rear outer three-point seat belt", page 57 ⇒ a1.8.2 nd installing rear middle three-point seat belt", page

#### 1.8.1 Removing and installing rear outer three-point seat belt



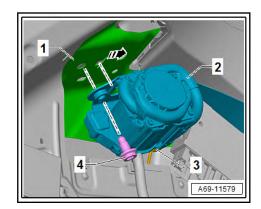
### Note

Removal and installation is described for the left vehicle side. Removal and installation for the right side is analogous.

### Removing

- Remove roof end strip <u>⇒ page 168</u>.
- Remove bench seat ⇒ page 206.
- Remove front and rear sill panel moulding ⇒ page 142.
- Remove C-pillar trim ⇒ page 159.
- Remove rear belt end anchor  $\Rightarrow$  page 63.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.

Unscrew bolt -4- from three-point seat belt -2-.



Push seat belt -2- in direction of -arrow-, and remove it from mounting bracket -1-.



### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Release and disconnect electrical connector for rear belt tensioner igniter -3-.

### Installing

Install in reverse order of removal, observing the following:

If parts of the belt system are removed because of an accident, the belt system bolts must be renewed.



### Note

Ensure that the electrical connectors are pushed fully onto stop and engage audibly.



### WARNING

Danger of airbag being triggered.

Risk of injury.

- Switching on the ignition (key/button) after assembly may only be carried out on the driver seat in the rearmost position.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.

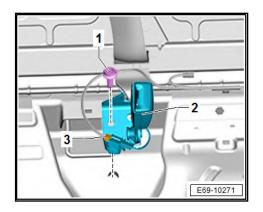
### **Specified torques**

⇒ o1.3 verview - rear outer three-point seat belt", page 51

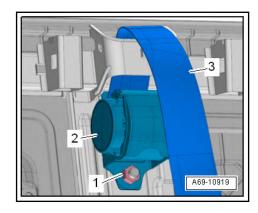


# 1.8.2 Removing and installing rear middle three-point seat belt

### Removing



- Remove bench seat ⇒ page 206.
- Disconnect electrical connector -3- for belt switch.
- Unscrew bolt -1-.
- Remove belt buckle -2- from belt end fitting.
- Remove cover and padding from rear seat backrest ⇒ page 238.
- Unscrew nut -1-.



- Detach three-point seat belt -2- and remove it.
- Guide out belt webbing -3-.

### Installing

- If parts of the belt system are removed because of an accident, the belt system bolts must be renewed.
- Insert rear centre three-point seat belt ensuring that antitwist protection engages in mounting, and tighten nut.

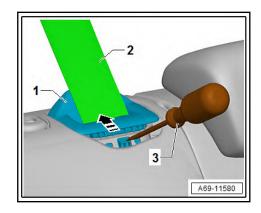
Continue installation in reverse order of removal.

### Specified torques

♦ ⇒ o1.4 verview - rear centre three-point seat belt", page 51

# 1.9 Removing and installing rear belt guide

### Removing



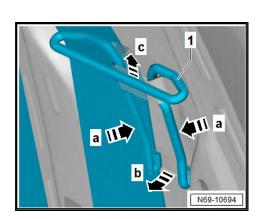
- Pull out belt webbing -2- and guide around head restraint.
- Press backrest padding with cover downwards in area of belt guide.
- Release locking lug using a screwdriver -3-.
- Use a screwdriver to release locking lugs of left and right sides.
- Unclip belt guide -1- upwards in direction of -arrow-.
- Thread out belt webbing -2-, and detach belt guide -1-.

### Installing

Install in reverse order of removal.

# 1.10 Removing and installing front belt guide

### Removing



- Remove upper and lower B-pillar trim ⇒ page 153.
- Press together belt guide bracket -1- in direction of -arrow a-.
- At the same time, detach belt guide -1- downwards from body in direction of -arrow b-.
- With brackets pressed together -arrows a-, pull out belt guide -1- upwards in direction of -arrow c-.
- Thread out belt webbing, and remove belt guide -1-.

### Installing

Install in reverse order of removal.

# Removing and installing front belt end 1.11

### Removing

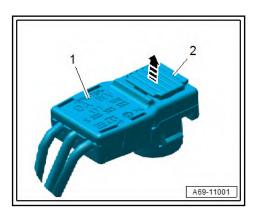
- Remove bench seat ⇒ page 206.
- Remove front seat <u>⇒ page 181</u>.
- Remove front and rear sill panel moulding ⇒ page 142.
- Remove upper and lower B-pillar trim ⇒ page 153.
- Push aside floor covering in area of front belt end fitting.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.



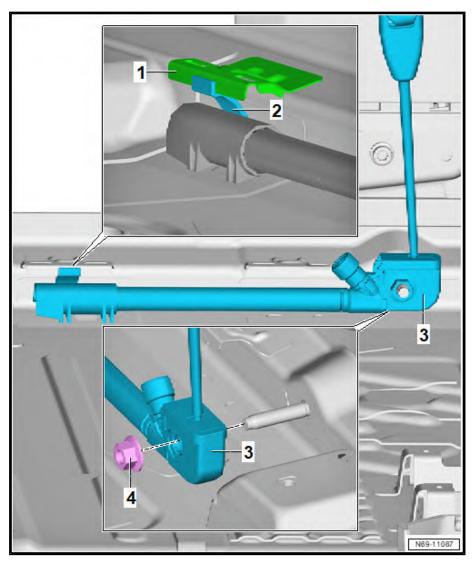
### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

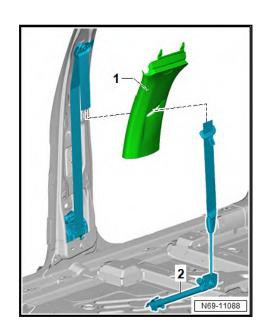
- Discharge any static electricity in body by briefly touching door striker plate.
- Release connector locking mechanism -2- in direction of -arrow- using a small screwdriver, and pull off electrical connector -1-.



- Unscrew nut -4-.
- Insert screwdriver between bracket -2- and metal collar -1-.
- Press bracket -2- downwards slightly, and detach front belt end fitting -3- inwards.



Guide front belt end fitting -2- through opening in upper B-pillar trim -1-.



### Installing

Install in reverse order of removal, observing the following:

If parts of the belt system are removed because of an accident, the belt system bolts must be renewed.



### Note

Ensure that the electrical connectors are pushed fully onto stop and engage audibly.



### **⚠** WARNING

Danger of airbag being triggered.

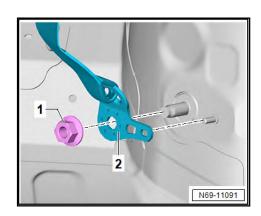
### Risk of injury.

- Switching on the ignition (key/button) after assembly may only be carried out on the driver seat in the rearmost position.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.

### Specified torques

- ♦ ⇒ o1.2 verview front three-point seat belt", page 49
- 1.12 Removing and installing rear outer belt end fitting

### Removing



- Remove bench seat ⇒ page 206.
- Remove sill panel moulding at front ⇒ page 142.
- Remove rear sill panel moulding ⇒ page 143.
- Unscrew nut -1- from belt end fitting -2-.

### Installing

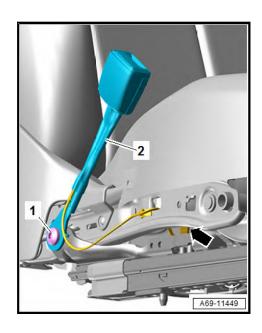
Install in reverse order of removal, observing the following:

### **Specified torques**

◆ ⇒ o1.3 verview - rear outer three-point seat belt", page 51

#### 1.13 Removing and installing front belt buckle

### Removing



- Remove front seat ⇒ page 181 .
- Disconnect electrical connector for belt switch -arrow-, and move clear electrical wire.
- Unscrew bolt -1-, and detach front belt buckle -2-.

### Installing

Install in reverse order of removal, observing the following:

Position belt buckle in such a way that anti-twist protection engages in recess on seat frame.

### Specified torques

◆ ⇒ o1.5 verview - front belt buckle", page 52

#### 1.14 Removing and installing rear belt buckle

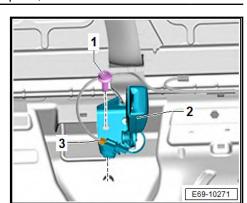
⇒ a1.14.1 nd installing rear right belt buckle", page 64

 $\Rightarrow$  a1.14.2 nd installing centre belt buckle and rear left belt buckle", page 65

#### 1.14.1 Removing and installing rear right belt buckle

### Removing

Remove bench seat ⇒ page 206 .



- Disconnect and move aside belt switch electrical connector -3-.
- Unscrew bolt -1-.
- Detach rear belt buckle with belt end fitting -2-.

### Installing

Install in reverse order of removal, observing the following:

If parts of the belt system are removed because of an accident, the belt system bolts must be renewed.

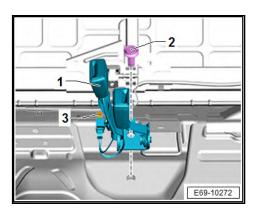
### Specified torques

◆ ⇒ o1.6 verview - rear belt buckle", page 53

# 1.14.2 Removing and installing centre belt buckle and rear left belt buckle

### Removing

Remove bench seat ⇒ page 206.



- Disconnect and move aside belt switch electrical connector
- Unscrew bolt -2-.
- Detach centre belt buckle and rear left belt buckle -1-.

### Installing

Install in reverse order of removal, observing the following:

If parts of the belt system are removed because of an accident, the belt system bolts must be renewed.

### Specified torques

◆ ⇒ o1.6 verview - rear belt buckle", page 53

#### 2 Child seat anchors

- ⇒ o2.1 verview front child seat anchors", page 66
- ⇒ o2.2 verview rear child seat anchors", page 66
- ⇒ a2.3 nd installing front child seat anchors", page 67
- ⇒ a2.4 nd installing rear child seat anchors", page 68

#### 2.1 Assembly overview - front child seat anchors

### 1 - Front passenger seat

### 2 - Speed nut

- ☐ Inserted into seat pan.
- □ Renew any damaged or deformed speed nuts.
- □ Qty. 2

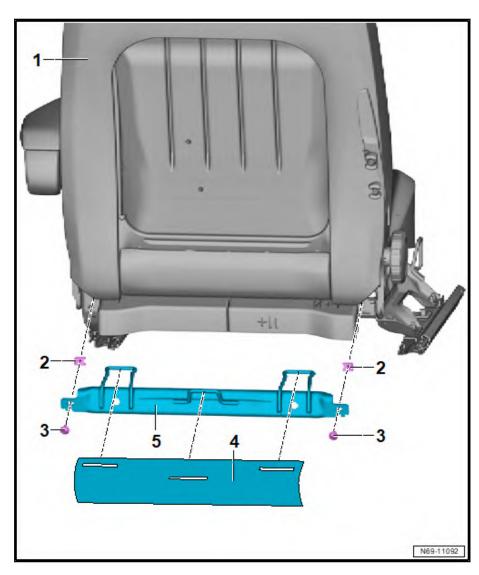
### 3 - Bolt

- Renew after removal
- □ Qty. 2
- □ 8 Nm

### 4 - "Top tether" fabric cover

### 5 - Front child seat anchor

- Only on front passenger seat
- Bolted to seat pan
- ☐ Inspecting following an accident <del>⇒ page 13</del>
- ☐ Renew child seat anchor if damaged or deformed
- □ Removing and installing ⇒ page 67



#### 2.2 Assembly overview - rear child seat anchors



### 1 - Child seat anchor cover

- Attach to child seat anchor and push it in until it audibly engages.
- Can only be fitted on rear seat backrest in a specific position
- □ Qty. 2
- □ Removing and installing ⇒ page 68

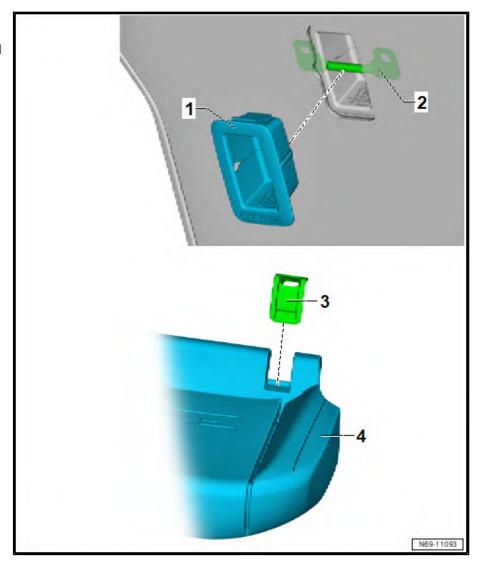
### 2 - Upper child seat anchor

- ☐ Welded to backrest frame.
- □ Qty. 2

### 3 - Child seat anchor guide

- ☐ Must be seated firmly on child seat anchor.
- □ Qty. 4
- □ Removing and installing ⇒ page 68

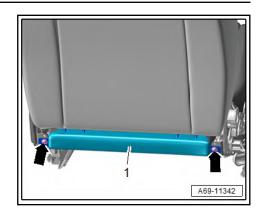
### 4 - Bench seat



# 2.3 Removing and installing front child seat anchors

### Removing

- Remove front passenger seat ⇒ page 181.
- Remove inner seat trim ⇒ page 184.
- Remove outer seat trim:
- ♦ a1.6.3 nd installing outer seat trim, seats with height adjustment", page 185
- ♦ ⇒ a1.6.4 nd installing outer seat trim, ergoActive driver seat", page 187
- ◆ ⇒ a1.6.5 nd installing outer seat trim, front passenger seat without height adjustment", page 188
- Unscrew bolts -arrows-.



- Pull "top tether" fabric cover off child seat anchor. To do this, detach beading at top and bottom.
- Detach front child seat anchor -1- from front seat towards rear.

### Installing

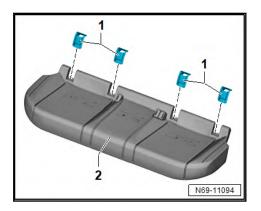
Install in reverse order of removal.

### **Specified torques**

- ♦ ⇒ o2.1 verview front child seat anchors", page 66
- 2.4 Removing and installing rear child seat anchors
- ⇒ a2.4.1 nd installing rear child seat anchor guide, bench seat", page 68
- ⇒ a2.4.2 nd installing child seat anchor cover, rear seat backrest", page 68
- 2.4.1 Removing and installing rear child seat anchor guide, bench seat

### Removing

- Remove bench seat <u>⇒ page 206</u>.
- Unclip rear child seat anchor guide -1- upwards from bench seat -2-.



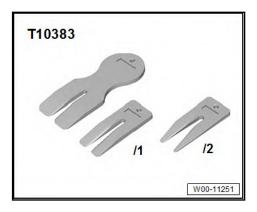
### Installing

Install in reverse order of removal.

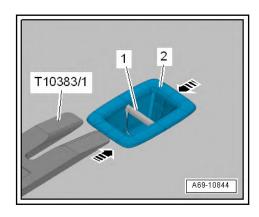
### 2.4.2 Removing and installing child seat anchor cover, rear seat backrest

Special tools and workshop equipment required

♦ Wedge -T10383-



### Removing



- Fold down rear seat backrest.
- Release locking lugs in direction of -arrow- using wedge -T10383/1-, and lever child seat anchor cover -2- upwards off rear seat backrest.
- Carefully pull child seat anchor cover off child seat anchor
   -1- to remove.

### Installing

Install in reverse order of removal.



### Airbag system 3

⇒ o3.1 f fitting locations - airbag system", page 70

Overview of fitting locations - airbag system 3.1

### 1 - Head airbag, front passenger side

- Left-hand drive vehicles with:
- Front passenger side curtain airbag igniter -N252-
  - □ Right-hand drive vehicles with:
- Driver side curtain airbag igniter -N251-
  - Assembly overview ≥ page 94

### 2 - Front side airbag, front passenger side

- Left-hand drive vehicles with:
- Side airbag igniter on front passenger side -N200-
  - □ Right-hand drive vehicles with:
- Side airbag igniter on driver side -N199-
  - □ Assembly overview ⇒ page 88

### 3 - Front passenger side airbag deactivated warning lamp -K145-

☐ Integrated in front interior light -WX1- and cannot be removed individually

### 4 - Inner front side airbag, driver side

- Central airbag
- ☐ With igniter for central airbag for occupant collision protection, driver side -N737-
- Assembly overview ⇒ page 88

### 5 - Head airbag, driver side

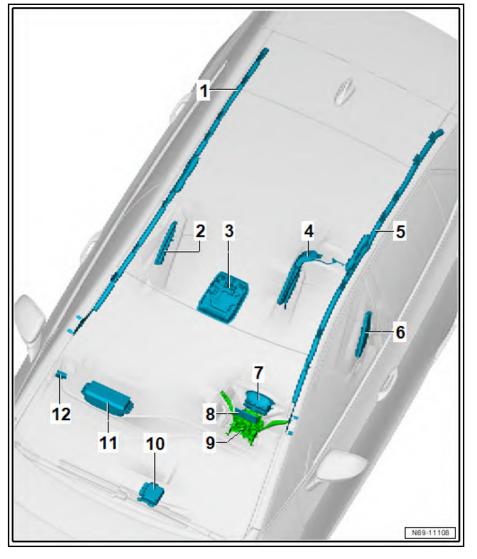
- ☐ Left-hand drive vehicles with:
- ◆ Driver side curtain airbag igniter -N251-
  - ☐ Right-hand drive vehicles with:
- ◆ Front passenger side curtain airbag igniter -N252-
  - Assembly overview ⇒ page 94

### 6 - Front side airbag, driver side

- ☐ Left-hand drive vehicles with:
- ◆ Side airbag igniter on driver side -N199-
  - ☐ Right-hand drive vehicles with:
- Side airbag igniter on front passenger side -N200-
  - Assembly overview ⇒ page 88

### 7 - Airbag unit on driver side

- ☐ With:
- Airbag igniter on driver side -N95-



□ Removing and installing ⇒ page 85

	Assembly overview <u>⇒ page 77</u>
8 - Control unit with display unit for driver information system -J1254-	
	Removing and installing ⇒ Electrical system; Rep. gr. 90; Dash panel insert; Removing and installing control unit with display unit for driver information system -J1254-
9 - Steering column switch module	
	With:
♦ S	teering column electronics control unit -J527-
	Assembly overview ⇒ Electrical system; Rep. gr. 94; Steering column switch module; Assembly overview – steering column switch module⇒ Electrical system; Rep. gr. 94; Steering column switch module; Removing and installing steering column electronics control unit -J527-
10 - Airbag control unit -J234-	
	Assembly overview <u>⇒ page 73</u>
11 - Airbag unit on front passenger side	
	With front passenger side airbag igniter 1 -N131
	Can be locked and activated via key operated switch to deactivate front passenger side airbag -E224
	Assembly overview <u>⇒ page 83</u>
12 - Key operated switch to deactivate front passenger side airbag -E224-	
	Fitting location: in side dash panel cover on front passenger side

### Airbag control unit 4

- ⇒ o4.1 verview airbag control unit", page 73
- ⇒ a4.2 nd installing airbag control unitJ234", page 73

### 4.1 Assembly overview - airbag control unit

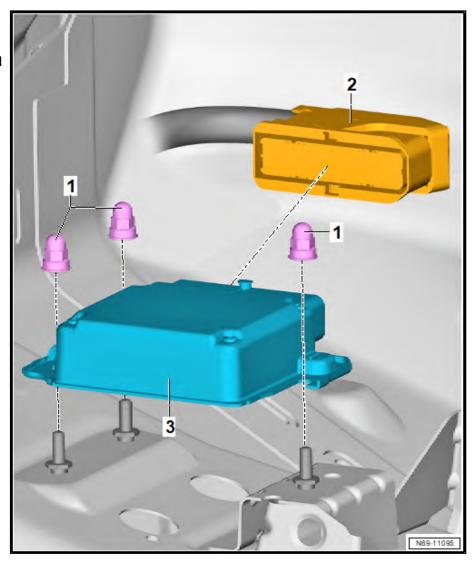
### 1 - Nuts

- ☐ Threads must be free of paint and dirt. Nut and earth stud are used as earth connection for control unit.
- □ Qty. 3
- □ 9 Nm

### 2 - Electrical connector

### 3 - Airbag control unit -J234-

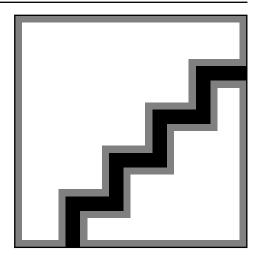
- ☐ The control unit is earthed via the housing with the body.
- Removing and installing ⇒ page 73



### 4.2 Removing and installing airbag control unit -J234-

Special tools and workshop equipment required

Ratchet ring attachment -VAS 262 015-



### Removing

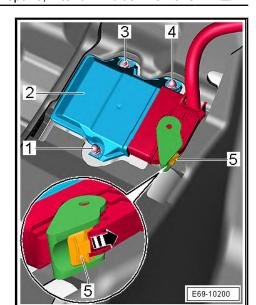
- Remove centre console <u>⇒ page 38</u>.
- Remove tunnel support cover <u>⇒ page 127</u>.
- Observe safety precautions when working on pyrotechnic components <u>⇒ page 3</u>.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.



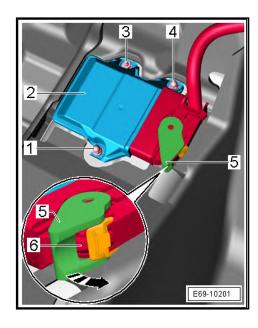
### **CAUTION**

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Release locking mechanism of connector -5- in front passenger footwell in direction of -arrow-.



Press down safety lug -6- and open bar -5- in direction of -arrow-.



- Unscrew nuts -3- and -4-.
- Unscrew nut -1- using ratchet ring attachment -VAS 262
- Lift airbag control unit -J234- -2- off studs, and remove it towards front passenger side.



Risk of damage to airbag control unit. Electrical connectors may corrode if moisture enters.

After disconnecting, cover or seal off electrical connectors of the control unit to prevent the ingress of moisture.

### Installing

Install in reverse order of removal, observing the following:



Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.



### **CAUTION**

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.



### **CAUTION**

Danger of malfunctions from incorrectly activated control unit.

- Make absolutely sure that the following work procedure is adhered to.
- Every time the airbag control unit -J234- is removed or installed, the Guided Function Inertial Sensors Basic Setting must be carried out.
- If the airbag control unit -J234- was replaced with a new part, the basic setting is carried out using the program 0015 Renew airbag control unit within the scope of commissioning.
- If the airbag control unit -J234- was removed and reinstalled straight away, perform inertial sensors basic set-
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

### Specified torques

⇒ o4.1 verview - airbag control unit", page 73

## 5 Driver's airbag

- ⇒ o5.1 verview driver side airbag", page 77
- ⇒ a5.2 nd installing airbag unit with igniter", page 77
- ⇒ c5.3 onnector on airbag", page 81

## 5.1 Assembly overview - driver side airbag

# 1 - Steering column electronics control unit -J527-

- With airbag coil connector and return ring with slip ring -F138-
- □ Assembly overview
   ⇒ Electrical system;
   Rep. gr. 94; Steering
   column switch module;
   Assembly overview steering column switch
   module

### 2 - Steering wheel

□ Assembly overview
 ⇒ Running gear, axles, steering; Rep. gr. 48;
 Steering wheel, Assembly overview - steering wheel.

### 3 - Bolt

☐ Tightening torque

⇒ Running gear, axles,
steering; Rep. gr. 48;
Steering wheel; Assembly overview - steering
wheel

### 4 - Driver's airbag

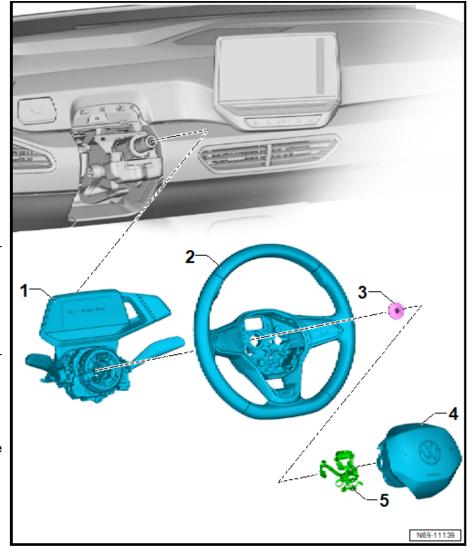
- ☐ With airbag igniter on driver side -N95- and igniter for exhaust valve for driver airbag -N490-
- □ Removing and installing ⇒ page 77
- Do not carry the airbag by its cable.

### 5 - Wiring harness

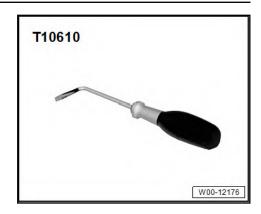
- ☐ For airbag igniter on driver side -N95- and igniter for exhaust valve for driver airbag -N490-
- Version

# 5.2 Removing and installing airbag unit with igniter

Special tools and workshop equipment required



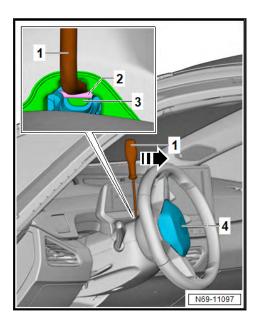
Release tool -T10610-



♦ Small mirror, commercially available

### Removing

Move steering wheel with airbag unit -4- to rearmost and lowest position.

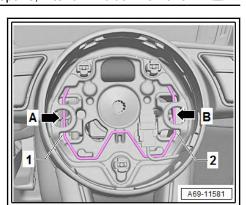


- Turn steering wheel 90° clockwise from straight-ahead position.
- Opening for locking bracket (left side of vehicle) at back of steering wheel -3- must point straight upwards (approx. 12 o'clock position).
- Insert release tool -T10610- -1- as far as stop into left opening for locking bracket (left side of vehicle) -2- at back of steering wheel.

### Note:

Use a small mirror to check the exact position of the locking bracket.

- Release locking bracket on left side of vehicle -2- by slightly pulling release tool -T10610- -1- towards rear in direction of -arrow-.
- When loosening fasteners -arrow A- and -arrow B-, apply light pressure onto airbag in direction of steering column to relieve strain from respective fastener.

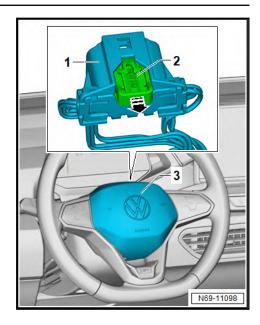


- By pulling down locking bracket -1-, fastener on left side of vehicle -arrow A- is detached from steering wheel.
- Turn back steering wheel by 180°.
- Repeat procedure for locking bracket on right side of vehicle -arrow B- as described above, i.e. insert release tool as far as stop into right opening for locking bracket (right side of vehicle) -2- at back of steering wheel.
- Make sure that airbag does not engage again on released side.
- Return steering wheel to mid-position (wheels pointing straight ahead).
- Observe safety precautions when working on pyrotechnic components <del>⇒ page 3</del>.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.



Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Carefully pull driver side airbag -3- slightly out of steering wheel.



## NOTICE

Risk of damage to airbag unit when applying pressure/force.

- Never remove airbag unit by pulling forcibly.
- Pull out connector lock -2- in direction of -arrow-, and press it down. Then pull off electrical connector -1-.
- Equipment version: separate electrical connector for buttons in steering wheel.

## **▲** WARNING

Danger of airbag being triggered

Risk of injury

Place airbag down with impact padding facing upwards.

### Installing

Install in reverse order of removal, observing the following:



### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

 Discharge any static electricity in body by briefly touching door striker plate.



### Note

- Ensure that the electrical connectors are pushed fully onto stop and engage audibly.
- ♦ Ensure that no wires are trapped.
- Connect connector.
- Press connector into recesses in steering wheel to secure it.
- Locate driver side airbag in steering wheel and press until audibly engaged.



- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27;
   Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.



Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

### Specified torques

◆ ⇒ o5.1 verview - driver side airbag", page 77

### 5.3 Renewing connector on airbag

### Removing



Note

Observe general safety instructions for pyrotechnic components ⇒ page 3.

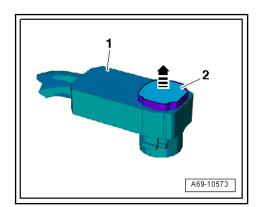
Remove airbag unit with airbag igniter on driver side -N95- 
 page 77 .



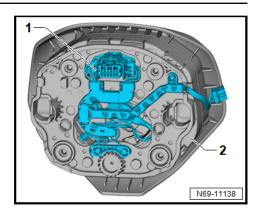
### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Release connector locking mechanism -2- -arrow-.



- Release and separate connector -1- on airbag igniter on driver side -N95-.
- Release and disconnect connector from wiring harness -1-.
- Detach wiring harness -1- from retainers.



Detach wiring harness -1- from airbag unit -2-.

### Installing



### Note

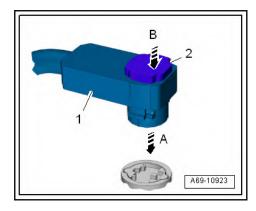
Observe general safety instructions for pyrotechnic components *⇒ page 3* .



### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Fit connector -1- on driver side airbag igniter -N95--arrow A-.



- Press in connector locking mechanism -2- -arrow B-. Continue installation in reverse order of removal.



### Note

Ensure that the electrical connectors are pushed fully onto stop and engage audibly.

## 6 Front passenger side airbag

- ⇒ o6.1 verview front passenger side airbag", page 83
- ⇒ a6.2 nd installing front passenger side airbag unit with igniter", page 83
- ⇒ a6.3 nd installing key-operated switch to deactivate front passenger side airbag", page 85

### 6.1 Assembly overview - front passenger side airbag

### 1 - Front passenger airbag with igniter 1 for front passenger airbag -N131-

- Can be locked and activated via key-operated switch
- □ Removing and installing ⇒ page 83

### 2 - Dash panel

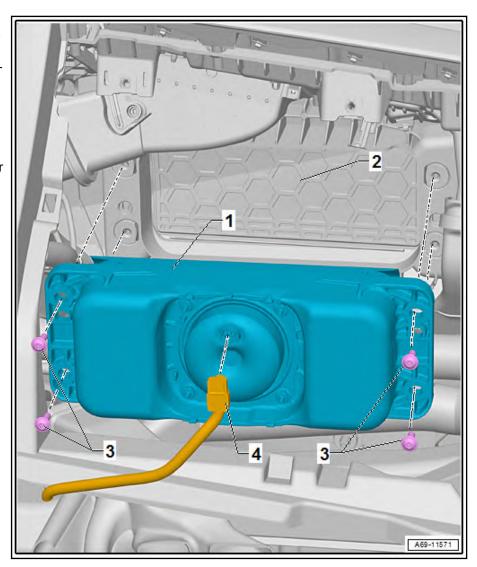
 Renew dash panel after airbag has deployed

### 3 - Bolts

- □ Clean before renewing and reinstalling and insert with locking fluid, allocation ⇒ Electronic parts catalogue
- □ 9 Nm

### 4 - Electrical connector

☐ For front passenger side airbag igniter 1 -N131-



# 6.2 Removing and installing front passenger side airbag unit with igniter

### Removing

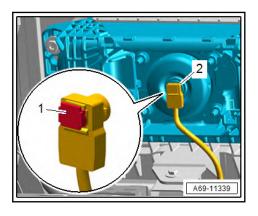
- Observe safety precautions when working on pyrotechnic components ⇒ page 3.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.

- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Remove glove compartment ⇒ page 25.

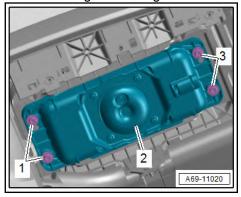


Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Using a small plain slot screwdriver, release connector locking mechanism -1-.



- Disconnect electrical connectors -2- on airbag igniter 1 on front passenger side -N131-.
- · Prevent airbag from falling down.



- Unscrew bolts -1, 3-.
- Remove airbag -2- downwards.



### WARNING

Danger of airbag being triggered Risk of injury

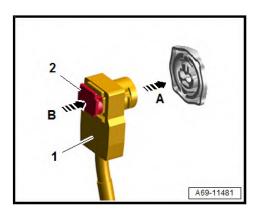
Place airbag down with impact padding facing upwards.

### Installing

Install in reverse order of removal, observing the following:

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Fit electrical connector -1- onto airbag igniter -arrow A-.



Press in connector lock -2- -arrow B-. Doing so, electrical connector will be fully inserted into airbag igniter and locked at the same time.



### Note

- Ensure that the electrical connectors are pushed fully onto stop and engage audibly.
- Ensure that no wires are trapped.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.



### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

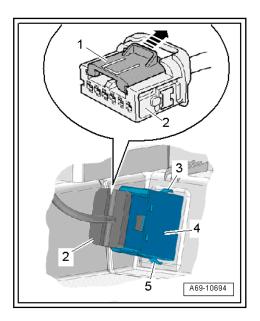
### Specified torques

- ♦ ⇒ o6.1 verview front passenger side airbag", page 83
- 6.3 Removing and installing key-operated switch to deactivate front passenger side airbag

### Removing

Observe safety precautions when working on pyrotechnic components <del>⇒ page 3</del>.

- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Remove side dash panel cover ⇒ page 125.
- Press locking detent -1- in -direction of arrow- until connector disengages.



- Pull off electrical connector -2-.
- Release retaining springs -3, 5-.
- Push key operated switch to deactivate front passenger side airbag -E224- -item 4- out of housing for key operated switch.

### Installing

Install in reverse order of removal, observing the following:



### Note

- Ensure that the electrical connectors are pushed fully onto stop and engage audibly.
- Ensure that no wires are trapped.
- Ensure that key operated switch to deactivate front passenger side airbag -E224- audibly engages in housing.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

### Side airbags 7

- ⇒ o7.1 verview front side airbag", page 88
- ⇒ a7.2 nd installing front side airbag with igniter", page 89

### 7.1 Assembly overview – front side airbag

- ⇒ o7.1.1 verview front side airbag, outer side", page 88
- ⇒ o7.1.2 verview front side airbag, inner side", page 88

### 7.1.1 Assembly overview – front side airbag, outer side

### 1 - Front side airbag

- With
- Side airbag igniter on driver side -N199-
- Side airbag igniter on front passenger side -N200-
  - Removing and installing ⇒ page 89

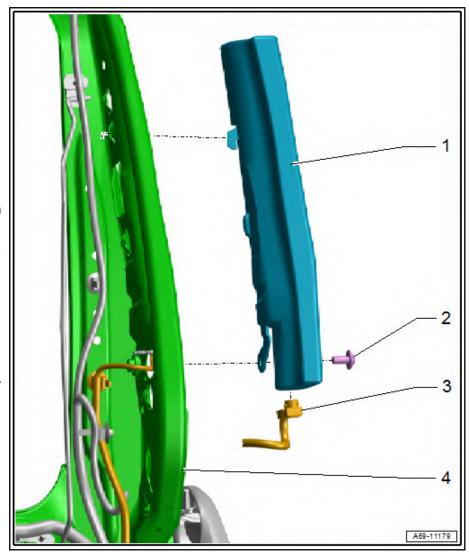
### 2 - Bolt

- □ Renew after removal
- ☐ Clean threaded hole for bolt with, for example, a thread tap.
- ☐ Insert with locking fluid; locking fluid ⇒ Electronic parts catalogue (ET-KÁ).
- □ 8 Nm

### 3 - Wire

□ Continuous from side airbag igniter on driver side -N199-/ side airbag igniter on front passenger side -N200- to coupling station

### 4 - Backrest frame



### 7.1.2 Assembly overview – front side airbag, inner side

### 1 - Central airbag

- With igniter for central airbag for occupant collision protection, driver side -N737-
- Removing and installing ⇒ page 89
- ☐ Installed on driver side

### 2 - Clip

- No replacement part
- □ After removal, central airbag must be renewed

### 3 - Bolt

- □ No replacement part
- □ After removal of any of 2 bolts, central airbag must be renewed
- □ Qty. 2
- □ 8 Nm

### 4 - Pop rivet nut

- □ No replacement part
- □ Qty. 2

### 5 - Backrest frame

### 6 - Armrest adapter

### 7 - Bolt

- □ 8 Nm
- Clean threaded hole for bolt with, for example, a thread tap.
- ☐ Insert with locking fluid; locking fluid ⇒ Electronic parts catalogue (ETKA).

☐ Continuous from side airbag igniter on driver side -N199-/ side airbag igniter on front passenger side -N200- to coupling station

### 7.2 Removing and installing front side airbag with igniter

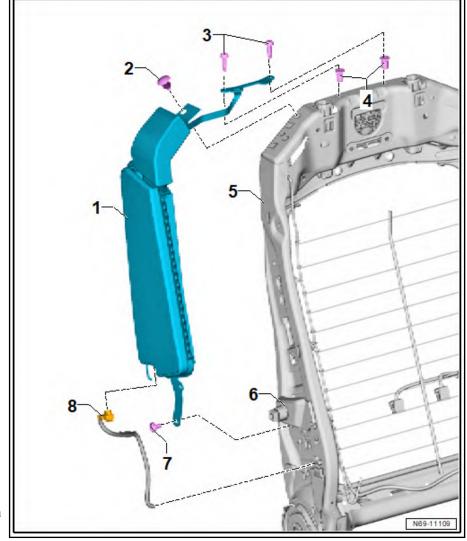
⇒ a7.2.1 nd installing front side airbag with igniter, outer side", page 89

⇒ a7.2.2 nd installing front side airbag with igniter, inner side", page 91

### 7.2.1 Removing and installing front side airbag with igniter, outer side

### Removing

Move front seat to front position and tilt backrest fully forwards.

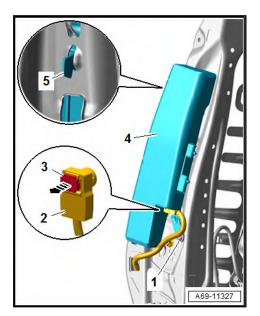


- Observe safety precautions when working on pyrotechnic components <del>⇒ page 3</del>.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Remove backrest padding in area of side airbag <u>⇒ page</u>
- Push aside backrest padding on side member side in area of side airbag.



Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Release connector lock -3- in direction of -arrow- using small plain slot screwdriver.



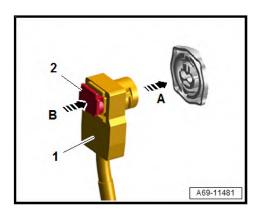
- Separate electrical connector -2- on igniter for side airbag.
- Carefully pull cover and padding in area of side airbag forwards as far as possible.
- Unscrew bolt -1-.
- Detach hook of side airbag -4- -5- from backrest frame.

### Installing

Install in reverse order of removal, observing the following:

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Fit electrical connector -1- onto airbag igniter -arrow A-.



- Press in connector lock -2- -arrow B-. Doing so, electrical connector will be fully inserted into airbag igniter and locked at the same time.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.

### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

### Specified torques

♦ ⇒ o7.1.1 verview – front side airbag, outer side", page 88

### 7.2.2 Removing and installing front side airbag with igniter, inner side

### Removing

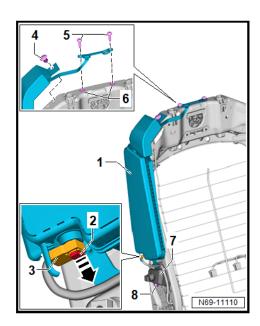
- Move front seat to front position and tilt backrest fully for-
- Observe safety precautions when working on pyrotechnic components ⇒ page 3.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.

- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Remove cover and padding from backrest ⇒ page 226.



Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Release connector lock -2- in direction of -arrow- using small plain slot screwdriver.



- Separate electrical connector -3- on igniter for side airbag.
- Unscrew bolts -5- from pop rivet nuts -6- in backrest frame.
- Remove clip -4- using release tool -T10236-.
- Unscrew bolt -8-.
- Detach hook of side airbag -1- from backrest frame.
- For seats with an armrest, guide side airbag -1- upwards out of armrest adapter -7-.

### Installing

Install in reverse order of removal, observing the following:

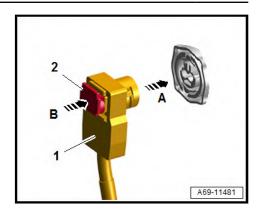


### **CAUTION**

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Fit electrical connector -1- onto airbag igniter -arrow A-.





- Press in connector lock -2- -arrow B-. Doing so, electrical connector will be fully inserted into airbag igniter and locked at the same time.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.



Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

### Specified torques

◆ ⇒ o7.1.2 verview – front side airbag, inner side", page 88

### 8 Curtain airbags

- ⇒ o8.1 verview curtain airbag", page 94
- ⇒ a8.2 nd installing curtain airbag with igniter", page 94

### 8.1 Assembly overview - curtain airbag

### 1 - Electrical connector

- ☐ For
- Driver side curtain airbag igniter -N251-
- Front passenger side curtain airbag igniter -N252-

### 2 - Curtain airbag

- With
- Driver side curtain airbag igniter -N251-
- Front passenger side curtain airbag igniter -N252-
  - □ Removing and installing ⇒ page 94

### 3 - Bolt

- □ Renew after removal
- □ 4.5 Nm

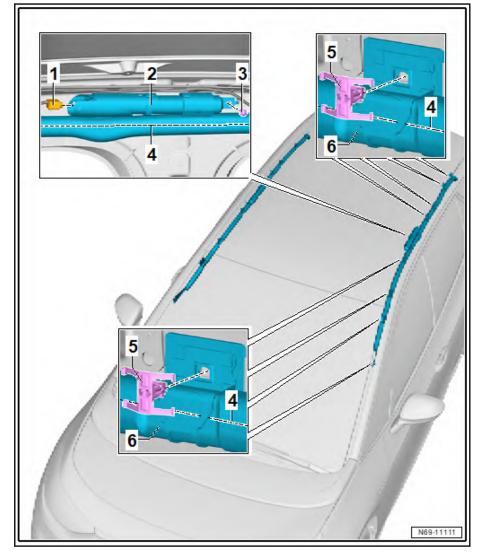
### 4 - Line to prevent twisting

- ☐ Is used to ensure that curtain airbag is not twisted.
- Must be entirely visible after installation.

### 5 - Retaining clip

- □ Remove with release tool -VAS 1978/17-
- Engage clips towards front and rear, working from B-pillar
- □ Qty. 8

### 6 - Airbag



### Removing and installing curtain airbag 8.2 with igniter

Special tools and workshop equipment required

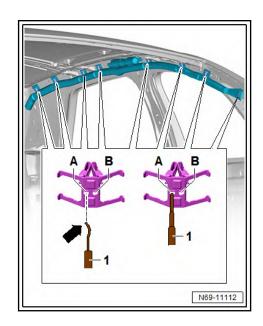


 Release tool -VAS 1978/17- from release tool case -VAS 1978/35-



### Removing

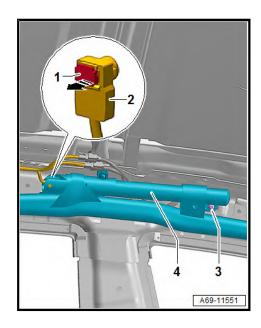
- Observe safety precautions when working on pyrotechnic components ⇒ page 3.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Remove moulded headliner ⇒ page 169.
- Detach retaining clips in retaining tabs for curtain airbag from body.
- To do this, carefully push »tip« -arrow- of release tool -VAS 1978/17- -1- in a straight line into recess -A- as far as stop, as shown in illustration.



- Pull left side of retaining clip out of body.
- Pull out release tool -VAS 1978/17- -1- ensuring that released side of retaining clip does not engage again.
- Turn release tool -VAS 1978/17- -1- by 180°.
- Repeat procedure on recess -B-.

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Release connector lock -1- in direction of -arrow- using small plain slot screwdriver.



- Pull off electrical connector -2-.
- Unscrew captive bolt -3-.
- Guide curtain airbag -4- out of mounting in body.

### Installing

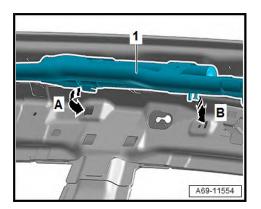
Install in reverse order of removal, observing the following:



### CAUTION

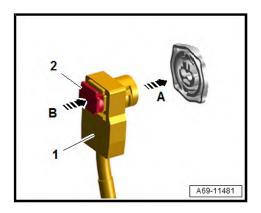
Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Engage curtain airbag -1- at rear in mounting on body in direction of -arrow A-.





- Engage curtain airbag -1- at front in mounting in direction of -arrow B-, and tighten bolts.
- Clip in curtain airbag -1- on body without twisting, working towards front and towards rear starting at gas generator.
- After installation, pull at each of 8 clamping points to ensure proper engagement.
- Fit electrical connector -1- onto airbag igniter -arrow A-.



Press in connector lock -2- -arrow B-. Doing so, electrical connector will be fully inserted into airbag igniter and locked at the same time.



### Note

Make sure that no electrical wires are trapped.

Perform visual inspection to make sure that "black line" is straight along entire length!

This will ensure that the curtain airbag is NOT twisted.

- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.



### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

### Specified torque

♦ ⇒ o8.1 verview - curtain airbag", page 94

### 9 Airbag crash sensors

- ⇒ o9.1 f fitting locations airbag crash sensors", page 98
- ⇒ a9.2 nd installing front airbag crash sensor, driver sideG283", page 99
- ⇒ a9.3 nd installing front side airbag crash sensor G179/G180", page 101
- ⇒ a9.4 nd installing rear side airbag crash sensor G256/G257", page 104

### 9.1 Overview of fitting locations - airbag crash sensors

### 1 - Side airbag crash sensor, front passenger side -G180-

- □ Location: in door
- Safety precautions when handling crash sensors (pressure sensors) for front side airbags ⇒ page 6
- □ Removing and installing ⇒ page 101

### 2 - Bolt

- □ Qty. 2
- □ 9 Nm

### 3 - Rear side airbag crash sensor, front passenger side -G257-

- Fitting location: behind sill panel moulding
- Removing and installing ⇒ page 104

### 4 - Rear side airbag crash sensor, driver side -G256-

- □ Fitting location: behind sill panel moulding
- Removing and installing ⇒ page 104

# 5 - Side airbag crash sensor, driver side -G179-

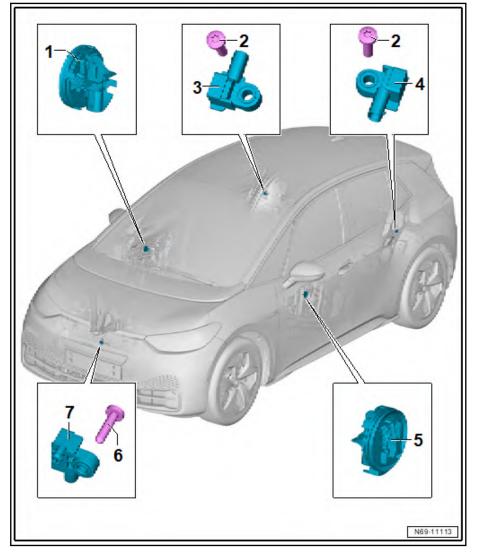
- □ Location: in door
- □ Safety precautions when handling crash sensors (pressure sensors) for front side airbags <del>⇒ page 6</del>
- □ Removing and installing ⇒ page 101

### 6 - Bolt

□ 9 Nm

### 7 - Crash sensor for front airbag -G190-

- ☐ Fitting location: on lock carrier support in centre of vehicle
- □ Removing and installing ⇒ page 99





# 9.2 Removing and installing front airbag crash sensor, driver side -G283-

⇒ a9.2.1 nd installing crash sensor for front airbagG190", page 99

# 9.2.1 Removing and installing crash sensor for front airbag -G190-

### Removing

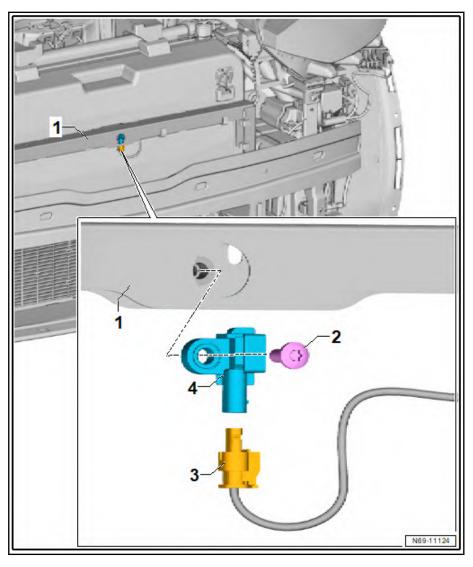
- Observe safety precautions when working on pyrotechnic components ⇒ page 3.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Remove bumper cover ⇒ General body repairs, exterior; Rep. gr. 63; Front bumper; Removing and installing bumper cover.
- Unscrew bolt -2-.
- Detach crash sensor for front airbag -G190- -4- from lock carrier support -1-.



### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Disconnect electrical connector -3-.



### Installing

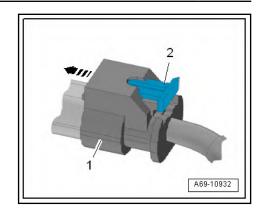


## **A** CAUTION

Pyrotechnic components can trigger unintentionally.

- Discharge any static electricity in body by briefly touching door striker plate.
- Fit electrical connector -1- onto crash sensor in direction of -arrow- until it engages audibly.





Press in connector lock -2- to lock the connector.

Continue the installation in reverse order of removal, observing the following:



### Note

- Ensure that the electrical connectors are pushed fully onto stop and engage audibly.
- ♦ Ensure that no wires are trapped.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.

## A

### **CAUTION**

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

### Specified torques

- ♦ ⇒ o9.1 f fitting locations airbag crash sensors", page 98
- 9.3 Removing and installing front side airbag crash sensor -G179-/-G180-

### Removing

- Observe safety precautions when working on pyrotechnic components ⇒ page 3.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.



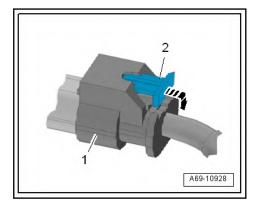
Remove front door trim ⇒ page 112.



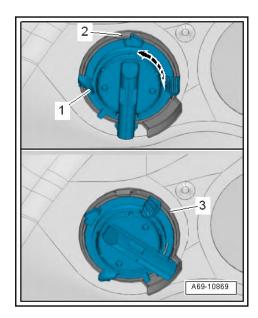
### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Pull out connector lock -2-, press it down -arrow- and disconnect connector -1- on crash sensor.



Release fastener -2- and turn locking element -1- for crash sensor anti-clockwise by approx.  $45^{\circ}$  -arrow-.



Detach side airbag crash sensor -3- from door and remove

### Installing

Install in reverse order of removal, observing the following:

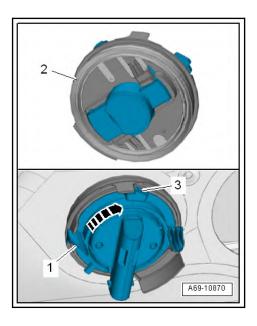
For the crash sensor (pressure sensor) to function properly, it is vital to ensure that the door forms an effective seal.



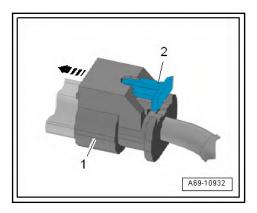
## **CAUTION**

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Ensure proper seating of seal -2-. Renew crash sensor if damaged or deformed.



- Attach side airbag crash sensor in door.
- Turn locking element -1- for crash sensor clockwise -arrow-.
- Locking lug -3- must engage audibly.
- Push connector -1- onto crash sensor until it engages audibly -arrow-.



- Press in connector lock -2- to lock the connector.

Continue the installation in reverse order of removal, observing the following:



#### Note

- Ensure that the electrical connectors are pushed fully onto stop and engage audibly.
- Ensure that no wires are trapped.

- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.

# A

#### **CAUTION**

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

# 9.4 Removing and installing rear side airbag crash sensor -G256-/-G257-

#### Removing

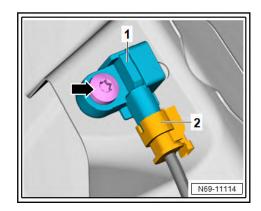
- Observe safety precautions when working on pyrotechnic components <u>⇒ page 3</u>.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Remove rear sill panel moulding ⇒ page 143.



#### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

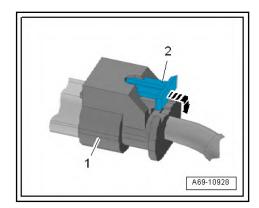
- Discharge any static electricity in body by briefly touching door striker plate.
- Unscrew bolt -arrow-, and detach airbag crash sensor -1from body.



Release and disconnect electrical connector -2-.



 To do this, pull out connector lock -2-, press it down -arrow-, and disconnect electrical connector -1- on crash sensor.



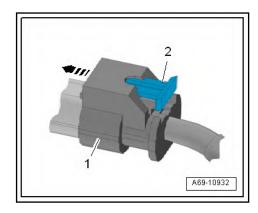
#### Installing



#### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Fit electrical connector -1- onto crash sensor in direction of -arrow- until it engages audibly.

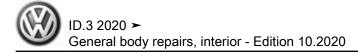


Press in connector lock -2- to lock the connector.
 Install in reverse order of removal, observing the following:



#### Note

- Ensure that the electrical connectors are pushed fully onto stop and engage audibly.
- ♦ Ensure that no wires are trapped.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.



# CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

## Specified torques

⇒ o9.1 f fitting locations - airbag crash sensors", page 98

# 10 Seat occupied recognition

⇒ o10.1 f fitting locations - seat occupied recognition system", page 107

⇒ a10.2 nd installing seat occupied recognition", page 108

# 10.1 Overview of fitting locations - seat occupied recognition system

#### 1 - Rear seat occupied sensor

- Rear seat occupied sensor on passenger side -G178-
- □ Removing and installing ⇒ page 109

# 2 - Rear centre seat occupied sensor

- ☐ Rear centre seat occupied sensor -G1010-
- Removing and installing ⇒ page 110

#### 3 - Rear seat occupied sensor

- Rear seat occupied sensor on driver side -G177-
- □ Removing and installing ⇒ page 109

# 4 - Front seat occupied sensor

- Seat occupied sensor on driver side -G1067-
- □ Removing and installing ⇒ page 108

# 5 - Front seat occupied sensor

- Seat occupied sensor on front passenger side -G128-
- □ Removing and installing ⇒ page 109



#### 10.2 Removing and installing seat occupied recognition

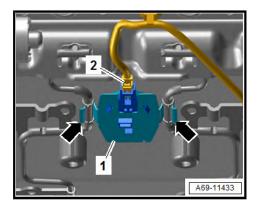
 $\Rightarrow$  a10.2.1 nd installing seat occupied sensor on driver sideG1067", page 108

⇒ a10.2.2 nd installing Seat occupied sensor, front passenger sideG128", page 109

⇒ a10.2.3 nd installing rear seat occupied sensorG177/G178", page 109

⇒ a10.2.4 nd installing rear seat occupied sensor, centreG1010", page 110

#### 10.2.1 Removing and installing seat occupied sensor on driver side -G1067-



#### Removing

- Move driver seat to rearmost and highest position.
- Release and separate electrical connector -2- for seat occupied sensor.
- Unclip mounting -arrows- from seat pan.
- Detach seat occupied sensor -1-. To do this, push seat padding upwards slightly.

#### Installing

Install in reverse order of removal, observing the following:

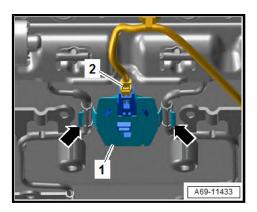


#### Note

Ensure that the electrical connectors are pushed fully onto stop and engage audibly.

If a fault in the airbag system is displayed in the dash panel insert following installation, the event memory must be read, cleared and then read again ⇒ Vehicle diagnostic tester.

# 10.2.2 Removing and installing Seat occupied sensor, front passenger side -G128-



#### Removing

- Move front passenger seat to rearmost and highest position.
- Release and separate electrical connector -2- for seat occupied sensor.
- Unclip mounting -arrows- from seat pan.
- Detach seat occupied sensor -1-. To do this, push seat padding upwards slightly.

#### Installing

Install in reverse order of removal, observing the following:



# Note

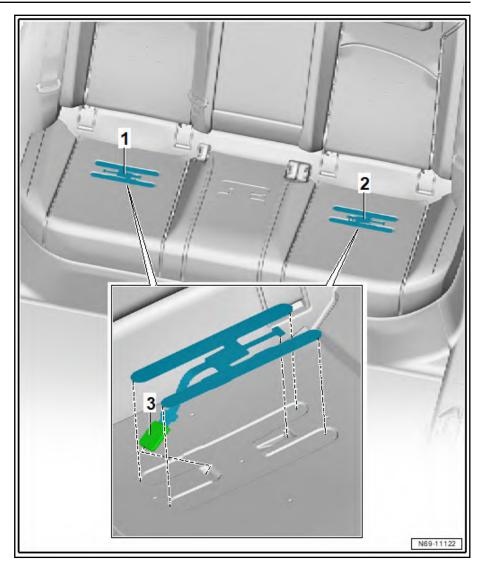
Ensure electrical connector is pushed fully onto stop and engages audibly.

 If a fault in the airbag system is displayed in the dash panel insert following installation, the event memory must be read, cleared and then read again ⇒ Vehicle diagnostic tester.

# 10.2.3 Removing and installing rear seat occupied sensor -G177-/-G178-

#### Removing

- Remove cover and padding for rear bench seat ⇒ page 234.
- Release and disconnect electrical connector -3-.
- Guide wiring harness through slot in padding.
- Detach seat occupied sensors -1- and -2- from padding.



#### Installing

Install in reverse order of removal, observing the following:

Make sure that "identification plates" of seat occupied sensors face upwards in installed condition.

The "TOP marking" must be visible.



# Note

Ensure electrical connector is pushed fully onto stop and engages audibly.

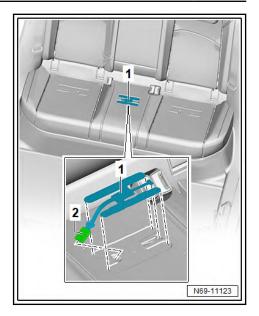
 If a fault in the airbag system is displayed in the dash panel insert following installation, the event memory must be read, cleared and then read again ⇒ Vehicle diagnostic tester.

# 10.2.4 Removing and installing rear seat occupied sensor, centre -G1010-

#### Removing

- Remove cover and padding for rear bench seat ⇒ page 234.
- Release and disconnect electrical connector -2-.





- Guide wiring harness through slot in padding.
- Detach seat occupied sensors -1- from padding.

#### Installing

Install in reverse order of removal, observing the following:

Make sure that "identification plate" of seat occupied sensor faces upwards in installed condition.

The "TOP marking" must be visible.



#### Note

Ensure electrical connector is pushed fully onto stop and engages audibly.

 If a fault in the airbag system is displayed in the dash panel insert following installation, the event memory must be read, cleared and then read again ⇒ Vehicle diagnostic tester.

# Trim, insulation

# Front door trims

⇒ a1.1 nd installing front door trim", page 112

⇒ a1.2 nd installing button trim", page 116

⇒ a1.3 nd installing mirror cover trim", page 117

#### 1.1 Removing and installing front door trim

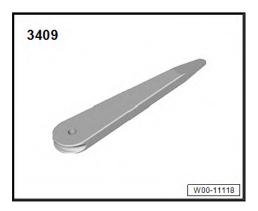


Note

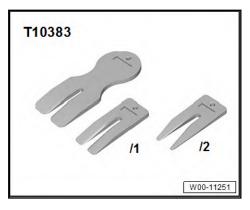
Removal and installation are described for the left side.

#### Special tools and workshop equipment required

♦ Removal wedge -3409-



Wedge -T10383-





Note

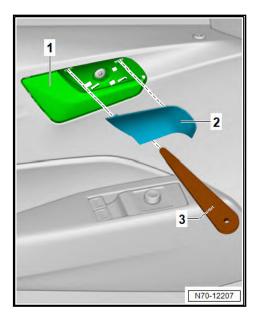
Assembly overview shows the driver side of left-hand drive vehicle. Right side and right-hand drive vehicles are similar.

#### Removing

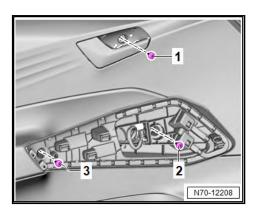
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Lay aside ignition key outside the vehicle.
- Remove button trim panel ⇒ page 116.



 Lever trim -2- out of interior door handle -1- using removal wedge -3409- -3-.



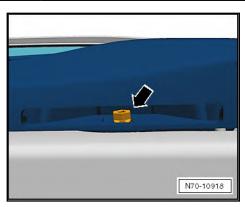
- Unscrew bolts -1-, -2- and -3-.

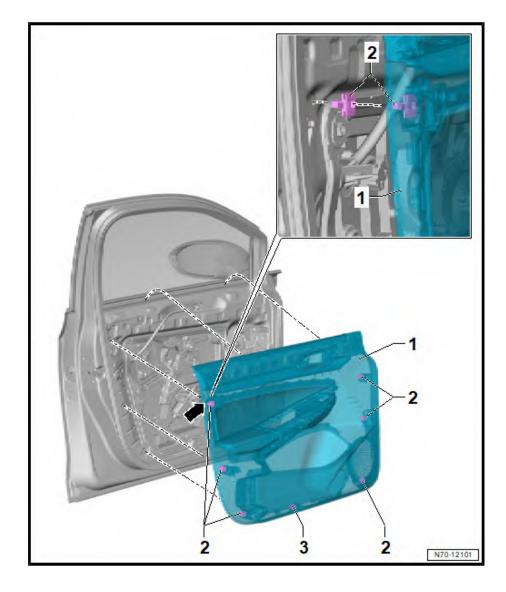


 Release wing clip -1- by turning 90° (<sup>1</sup>/<sub>4</sub> turn) in direction of -arrow-.



• Rotary clip -arrow- is released.





Detach retaining clips -2- of door trim -1- using wedge -T10383-.



# Note

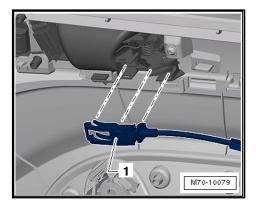
The upper left clip -arrow- is a crash clip. The crash clip is released automatically when the door trim is detached from the window slot seal.

- Pull door trim -1- upwards out of window slot seal.
- If fitted, release and disconnect electrical connectors.



Danger of damage to actuator cable from deformation.

- Never bend or kink actuator cable excessively.
- Detach Bowden cable -1-.



### Installing



#### Note

Before installing, check all fasteners for damage and renew if necessary.

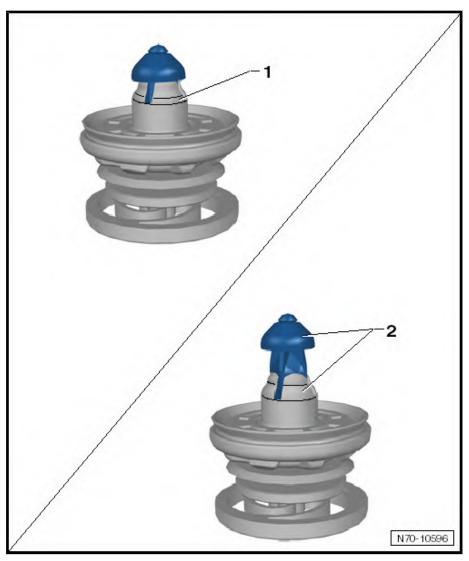
Install in reverse order of removal, observing the following:

- Insert retaining clips into front door trim.



Risk of damage to locking mechanism.

- The locking mechanisms of all retaining clip connections must be in position -1-.
- Always turns retaining clip from position -2- to position -1-.
- Only when the retaining clip is in position -1- can the door trim be installed.



# **Specified torques**

Component	Specified torques
Bolts for securing door trim to door	4.5 Nm

#### 1.2 Removing and installing button trim

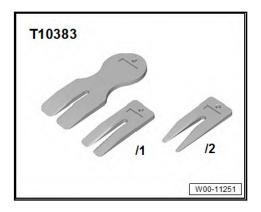


Note

Removal and installation are described for the left side.

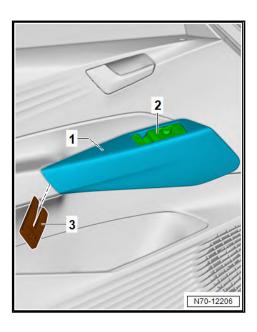
Special tools and workshop equipment required

♦ Wedge -T10383-



## Removing

 Using wedge -T10383/1- -3-, lever cover -1- and operating unit -2- out of door trim mountings.



# Installing

Install in reverse order of removal.



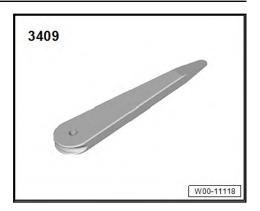
## Note

Before installing, check all fasteners for damage and renew if necessary.

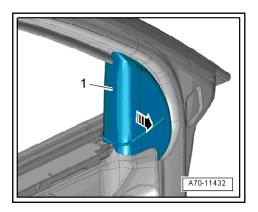
# 1.3 Removing and installing mirror cover trim

Special tools and workshop equipment required

Removal wedge -3409-



# Removing



- Remove front door trim <u>⇒ page 112</u>.
- Using removal wedge -3409-, carefully lever cover -1- off door -arrow-.  $\,$
- Detach cover from window channel, and remove it.

# Installing

Install in reverse order of removal.

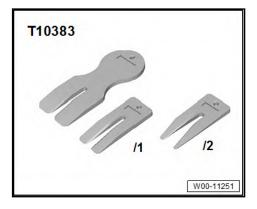
# 2 Rear door trims

⇒ a2.1 nd installing rear door trim", page 119

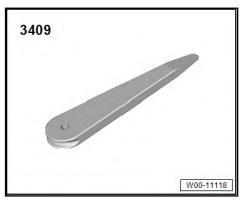
# 2.1 Removing and installing rear door trim

Special tools and workshop equipment required

♦ Wedge -T10383-



♦ Removal wedge -3409-



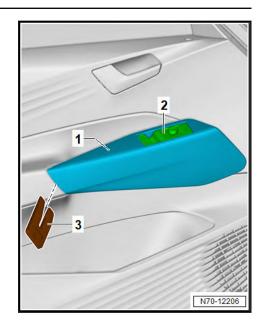


### Note

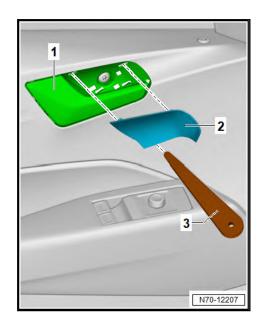
Removal and installation is described for the left side. Removal and installation for the right side is analogous.

#### Removing

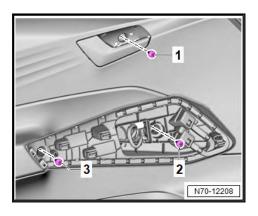
- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Lay aside ignition key outside the vehicle.
- Using wedge -T10383/1- -3-, lever cover -1- out of door trim mountings.



- Disconnect electrical connector of operating unit -2-.
- Lever trim -2- out of interior door handle -1- using removal wedge -3409- -3-.



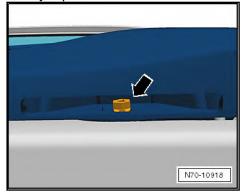
- Unscrew bolts -1-, -2- and -3-.



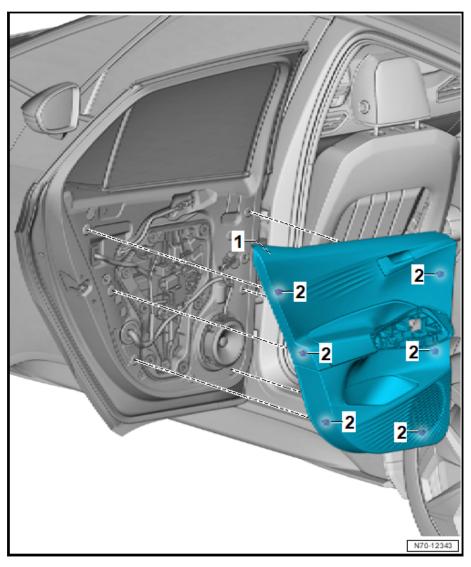
Release wing clip -1- by turning 90° (1/4 turn) in direction of -arrow-.



• Rotary clip -arrow- is released.



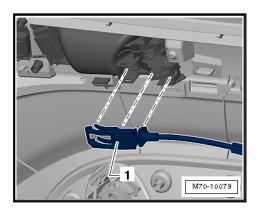
- Detach retaining clips -2- of door trim -1- using wedge -T10383-.
- Pull door trim -1- upwards out of window slot seal.
- If fitted, release and disconnect electrical connectors.





Danger of damage to actuator cable from deformation.

- Never bend or kink actuator cable excessively.
- Detach Bowden cable -1-.



# Installing



## Note

Before installing, check all fasteners for damage and renew if necessary.

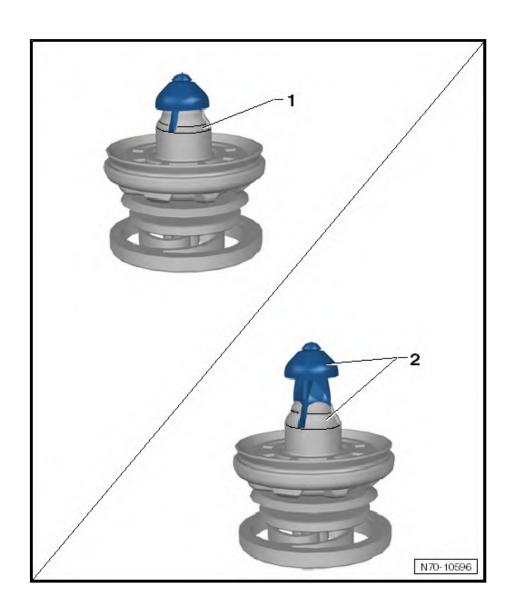
Install in reverse order of removal, observing the following:

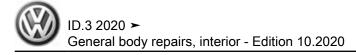
- Insert retaining clips into front door trim.



Risk of damage to locking mechanism.

- The locking mechanisms of all retaining clip connections must be in position -1-.
- Always turns retaining clip from position -2- to position -1-.
- Only when the retaining clip is in position -1- can the door trim be installed.





# Specified torques

Component	Specified torques
Bolts for securing door trim to door	4.5 Nm

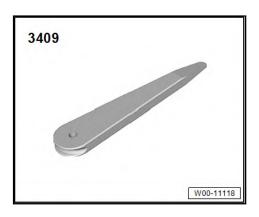
# 3 Dash panel

- ⇒ a3.1 nd installing dash panel end cover", page 125
- ⇒ a3.2 nd installing dash panel trim", page 126
- ⇒ a3.3 nd installing loudspeaker trim", page 126
- ⇒ a3.4 nd installing dash panel", page 127

# 3.1 Removing and installing dash panel end cover

Special tools and workshop equipment required

♦ Removal wedge -3409-

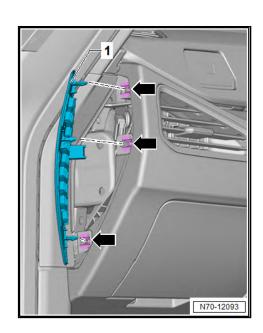




#### Note

Removal and installation is described for the left side. Removal and installation for the right side is analogous.

#### Removing



- Using removal wedge -3409-, lever off dash panel end cover
   -1- in area of fasteners -arrows-.
- If fitted, disconnect connector on key operated switch to deactivate front passenger side airbag -E224-.

#### Installing

Install in reverse order of removal.



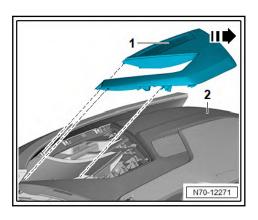
#### Note

Before installing, check all fasteners for damage and renew if necessary.

# Removing and installing dash panel 3.2

#### Removing

Unclip dash panel trim -1- from mounting points in dash panel -2- -arrow-.



#### Installing

Install in reverse order of removal.



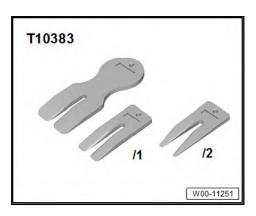
### Note

Before installing, check all fasteners for damage and renew if necessary.

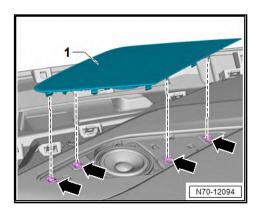
# Removing and installing loudspeaker 3.3

# Special tools and workshop equipment required

♦ Wedge -T10383-



#### Removing



 Using wedge -T10383/1-, carefully unclip loudspeaker trim -1-.

#### Installing

Install in reverse order of removal, observing the following:



#### Note

Before installing, check all fasteners for damage, and renew them if necessary.

# 3.4 Removing and installing dash panel

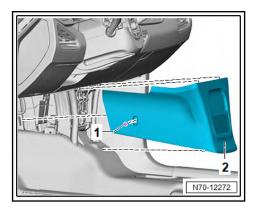
⇒ a3.4.1 nd installing tunnel support cover", page 127

⇒ a3.4.2 nd installing dash panel", page 128

# 3.4.1 Removing and installing tunnel support cover

#### Removing

- Remove centre console ⇒ page 38.
- Unscrew bolt -1- on both sides of cover -2-.



- Remove cover -2-.

#### Installing

Continue the installation in reverse order of removal, observing the following:

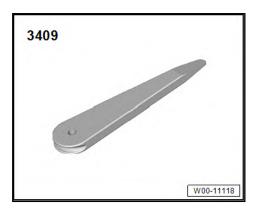
# Specified torque

Component	Specified torque
Bolts	1.5 Nm

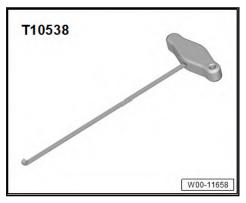
#### 3.4.2 Removing and installing dash panel

### Special tools and workshop equipment required

♦ Removal wedge -3409-

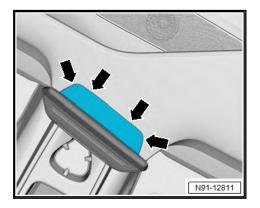


Hook -T10538-



# Removing

- Switch off ignition and all electrical consumers.
- Keep the ignition key outside the vehicle to prevent the ignition from being switched on unintentionally.
- Remove centre console <u>⇒ page 38</u>.
- Remove tunnel support cover ⇒ page 127.
- Remove trim using removal wedge -3409- -arrows-.



Remove display unit for front information display and operating unit control unit -J685-  $\Rightarrow$  Communication; Rep. gr. 91;



ID.3 2020

Infotainment system; Display unit for display and operating unit control unit.

- Remove glove compartment ⇒ page 25.
- Remove glove compartment cover ⇒ page 26.
- Remove centre console insert ⇒ page 37.
- Remove trim at rear of centre console ⇒ page 36.
- Remove airbag unit with igniter ⇒ page 77.
- Remove steering wheel ⇒ Running gear, axles, steering; Rep. gr. 48; Steering wheel; Removing and installing steering wheel.
- Remove upper steering column trim ⇒ page 21.
- Remove lower steering column trim ⇒ page 22.
- Remove gap cover of dash panel insert ⇒ page 20.
- Remove control unit with display unit for driver information system -J1254- ⇒ Electrical system; Rep. gr. 90; Dash panel insert; Removing and installing control unit with display unit for driver information system -J1254-.
- Remove steering column switch module ⇒ Electrical system; Rep. gr. 94; Steering column switch module; Removing and installing steering column switch module.
- Remove upper A-pillar trims ⇒ page 146.
- Remove dash panel trim panel ⇒ page 126.
- Remove dynamic light strip 1 for information in dash panel -L385- 

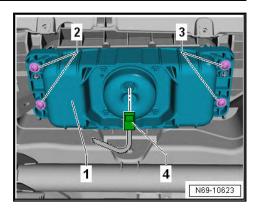
  Electrical system; Rep. gr. 96; Lights; Removing and installing dynamic light strip 1 for information in dash panel -L385-.
- Remove dash panel end covers ⇒ page 125.
- Remove loudspeaker trim ⇒ page 126.
- Remove centre vent ⇒ page 133.
- Remove dash panel cover on front passenger side ⇒ page 23.
- Remove dash panel cover on driver side ⇒ page 19.
- Remove operating unit for lighting -EX59- ⇒ Electrical system; Rep. gr. 96; Controls; Removing and installing operating unit for lighting -EX59-.
- Remove right footwell light -W10- and left footwell light -W9 ⇒ Electrical system; Rep. gr. 96; Lights; Removing and installing left/right footwell lights -W9-/-W10-.



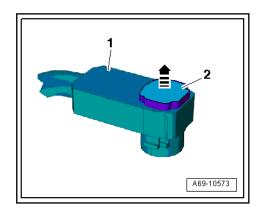
#### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

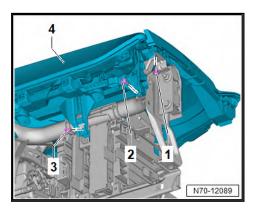
- Discharge any static electricity in body by briefly touching door striker plate.
- Disconnect electrical connectors -4- for front passenger airbag unit.



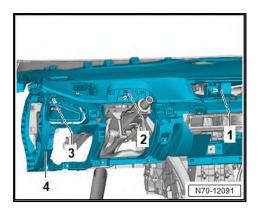
To do this release connector lock -2- using a small screw-driver -arrow- and pull off connector -4-.



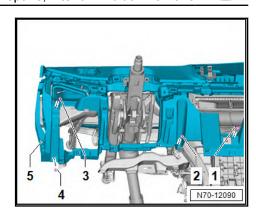
- Unscrew bolts -1-, -2- and -3- from dash panel -4-.



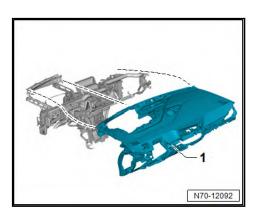
- Unscrew bolts -1-, -2- and -3- from dash panel -4-.



- Unscrew bolts -1-, -2-, -3- and -4- from dash panel -5-.



- Carefully pull off dash panel -1-.





#### Note

The help of a second mechanic is required to remove the dash panel.

 Remove dash panel from vehicle interior and place on a soft surface.

#### Installing

Continue the installation in reverse order of removal, observing the following:



#### Note

Before installing, check all fasteners for damage, and renew them if necessary.

Ensure that the electrical connectors are pushed fully onto stop and engage audibly.

Connect battery earth cable ⇒ Electrical system; Rep. gr. 27;
 Battery; Disconnecting and connecting battery.



#### WARNING

Danger of airbag being triggered.

#### Risk of injury.

 Switching on the ignition (key/button) after assembly may only be carried out on the driver seat in the rearmost position. If a fault in the airbag system is displayed in the dash panel insert following installation, the event memory must be read, cleared and then read again ⇒ Vehicle diagnostic tester.

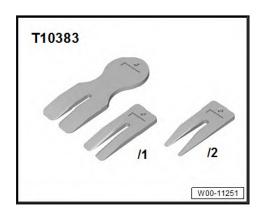
#### Specified torques

Component	Specified torque
Bolts	1.5 Nm

#### 3.5 Removing and installing outer dash panel vents

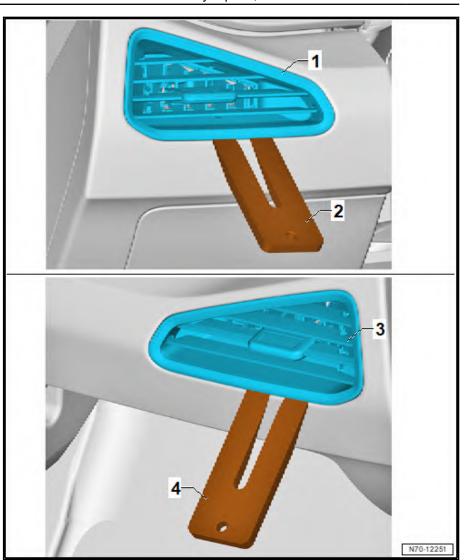
### Special tools and workshop equipment required

♦ Wedge -T10383-



#### Removing

- Unclip dash panel vent on left -1- all around using wedge -T10383/1- -2-.
- Unclip dash panel vent on right -3- all around using wedge -T10383/1- -4-.



# Installing

Install in reverse order of removal, observing the following:

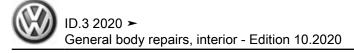


# Note

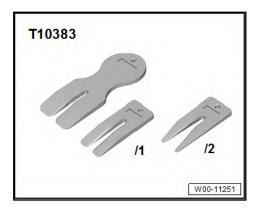
Before installing, check all fasteners for damage, and renew them if necessary.

# 3.6 Removing and installing centre vent

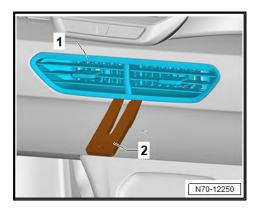
Special tools and workshop equipment required



Wedge -T10383-



# Removing



Unclip centre vent -1- all around using wedge -T10383/1--2-.

## Installing

Install in reverse order of removal, observing the following:



## Note

Before installing, check all fasteners for damage, and renew them if necessary.

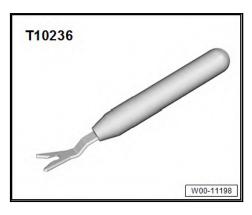
# 4 Central tube for dash panel

⇒ a4.1 nd installing central tube for dash panel", page 135 ⇒ a4.2 nd installing crash bar", page 140

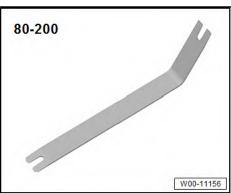
# 4.1 Removing and installing central tube for dash panel

Special tools and workshop equipment required

♦ Release tool -T10236-



♦ Removal lever -80-200-





### Note

- Removal and installation are described for a left-hand drive vehicle. The removal and installation procedure for righthand drive vehicles follows the same pattern.
- ♦ By using the release tool -T10236- or the removal lever -80-200-, the electrical wiring can be loosened more easily.
- Remove plenum chamber cover ⇒ General body repairs, exterior; Rep. gr. 50; Plenum chamber bulkhead; Removing and installing plenum chamber cover.
- Remove plenum chamber bulkhead ⇒ General body repairs, exterior; Rep. gr. 50; Plenum chamber bulkhead; Removing and installing plenum chamber bulkhead.
- Remove battery -A- ⇒ Electrical system; Rep. gr. 27; Battery; Assembly overview battery.
- Remove driver side windscreen wiper motor -V216- ⇒ Electrical system; Rep. gr. 92; Windscreen wiper system; Assembly overview windscreen wiper system.
- Remove floor covering ⇒ page 160.

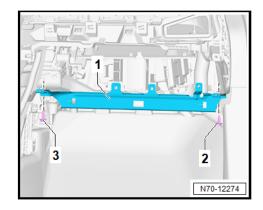
- Remove dash panel  $\Rightarrow$  page 125.
- Remove dash panel air duct, front ⇒ Heating, air conditioning system; Rep. gr. 87; Air duct system; Removing and installing dash panel air duct, front.
- Remove air duct for defrost function vent ⇒ Heating, air conditioning system; Rep. gr. 87; Air duct system; Removing and installing air duct for defrost function vent.
- Remove footwell vent on front passenger side ⇒ Heating, air conditioning; Rep. gr. 87; Air duct; Removing and installing footwell vent on front passenger side.
- Remove air duct for centre vent ⇒ Heating, air conditioning system; Rep. gr. 87; Air duct system; Removing and installing air duct for centre vent.
- Remove rear footwell vent ⇒ Heating, air conditioning; Rep. gr. 87; Air duct system; Removing and installing rear footwell
- Remove footwell vent on driver side ⇒ Heating, air conditioning system; Rep. gr. 87; Air duct; Assembly overview - air duct and air distribution in passenger compartment.
- Remove relay and fuse carrier behind dash panel on driver side ⇒ Electrical system; Rep. gr. 97; Relay carriers, fuse carriers, electronics boxes; Removing and installing relay and fuse carrier behind dash panel on driver side.
- Remove relay and fuse carrier bracket behind dash panel on driver side ⇒ Electrical system; Rep. gr. 97; Relay carriers, fuse carriers, electronics boxes; Overview of fitting locations - relay carriers, fuse carriers, electronics boxes.
- Remove control unit 1 for information electronics -J794-⇒ Communication; Rep. gr. 91; Infotainment system; Removing and installing control unit 1 for information electronics -J794-.
- If fitted, remove bracket for control unit 1 for information electronics -J794-.
- Remove emergency call module control unit and communication unit -J949- ⇒ Communication; Rep. gr. 91; Mobile online services; Removing and installing emergency call module control unit and communication unit J949.
- Detach steering column from dash panel central tube and place it on vehicle floor ⇒ Running gear, axles, steering; Rep. gr. 48; Steering column; Removing and installing steering column.



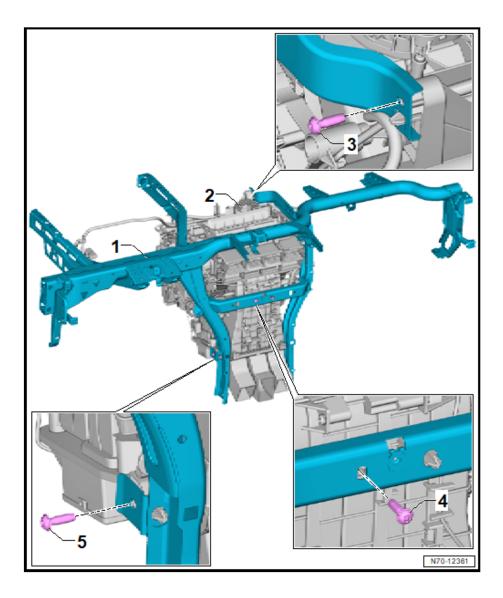
#### Note

- When placing the steering column down, ensure that the wiring of the steering column is not left taut.
- If necessary, push out the cable guide rail from the upper part of the steering column.
- Using a scriber, mark vertical and horizontal position of dash panel cross member relative to body for installation.
- On front passenger side, unscrew bolts -2- and -3-.

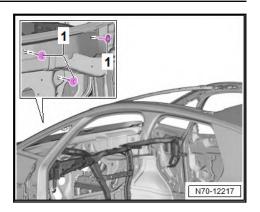




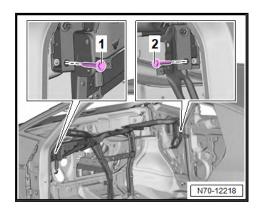
- Detach strut -1-.
- Fix heater and air conditioning unit -2- in position before removing central tube for dash panel -1-.
- Unscrew bolts -3-, -4- and -5-.



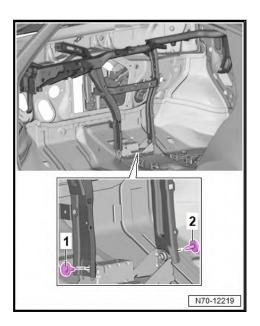
 Remove cap, and unscrew 3 bolts -1- on plenum chamber bulkhead.



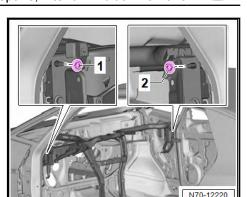
On front passenger side, unscrew bolt -2-.



- On driver side, unscrew bolt -1-.
- On front passenger side, unscrew bolt -2-.



- On driver side, unscrew bolt -1-.
- Undo nuts -2- on front passenger side.



- Unscrew nut -1- on driver side.
- Remove interface for entry and start system -J965- ⇒ Electrical system; Rep. gr. 94; Entry and start authorisation; Removing and installing entry and start authorisation control unit -J965-.
- Move clear wiring on central tube for dash panel.
- Detach central tube for dash panel and pull it slightly towards the rear.



#### Note

Further dismantling requires the assistance of a second mechanic.

 Carefully lift central tube for dash panel out of vehicle, being mindful of wiring harnesses when doing so.

#### Installing



#### Note

- Before bolting central tube for dash panel in place, align it using marks made during removal.
- Before installing, check all fasteners for damage and renew if necessary.

Install in reverse order of removal, observing the following:



Malfunctions due to poor earth.

- Keep earth points free of paint, coatings and corrosion.
- The contact surfaces between the left and right tunnel supports and the tunnel must be paint-free on both sides.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.



#### WARNING

Danger of airbag being triggered.

#### Risk of injury.

 Switching on the ignition (key/button) after assembly may only be carried out on the driver seat in the rearmost position.  If a fault in the airbag system is displayed in the dash panel insert following installation, the event memory must be read, cleared and then read again 

Vehicle diagnostic tester.

#### **Specified torques**

♦ Running gear, axles, steering; Rep. gr. 48; Steering column; Assembly overview – steering column

Component	Specified torque
2 bolts for securing strut to central tube for dash panel	4.5 Nm
3 bolts for securing plenum chamber bulkhead to central tube for dash panel	20 Nm
2 bolts for securing ends of central tube for dash panel to body	20 Nm
2 bolts for securing the sup- ports of central tube for dash panel to tunnel	20 Nm
2 nuts for securing ends of central tube for dash panel to body	20 Nm
3 bolts for securing heater and air conditioning unit to central tube for dash panel	4 Nm

## 4.2 Removing and installing crash bar



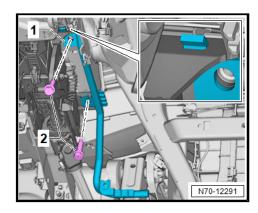
## Note

- ♦ Only fitted in left-hand drive models.
- For greater clarity, the dash panel is not shown. Its removal is not necessary.

- Move wheels to straight-ahead position.
- Pull down lever on side of steering column.
- Swing steering column as far as possible downwards, and pull it out.
- Press lever on side of steering column back up.
- Remove airbag unit with igniter ⇒ page 77.
- Remove steering wheel ⇒ Running gear, axles, steering; Rep. gr. 48; Steering wheel; Removing and installing steering wheel.
- Remove upper steering column trim ⇒ page 21.
- Remove lower steering column trim ⇒ page 22.
- Remove steering column switch module ⇒ Electrical system; Rep. gr. 94; Steering column switch module; Removing and installing steering column switch module.
- Remove dash panel insert ⇒ Electrical system; Rep. gr. 90;
   Dash panel insert.
- Remove footwell vent below steering column ⇒ Heating, air conditioning system; Rep. gr. 87; Air duct system; Assembly



- overview air duct system and air distribution in passenger compartment.
- Remove dash panel cover on driver side ⇒ page 19.
- Remove footwell vent on driver side ⇒ Heating, air conditioning system; Rep. gr. 87; Air duct system; Removing and installing footwell vent on driver side.
- Unscrew bolts -2-.



- Remove crash bar -1- from mountings.
- While doing this, detach tab -1- in upper section of crash bar from elongated hole.

#### Installing

Install in reverse order of removal.

## Specified torques

♦ Running gear, axles, steering; Rep. gr. 48; Steering column; Assembly overview – steering column

#### 5 Interior trims

- ⇒ a5.1 nd installing sill panel moulding", page 142
- ⇒ a5.2 nd installing A-pillar trim", page 146
- ⇒ a5.3 nd installing A-pillar gap cover", page 152
- ⇒ a5.4 nd installing B-pillar trim", page 153
- ⇒ a5.5 nd installing C-pillar trim", page 159
- ⇒ a5.6 nd installing floor covering", page 160

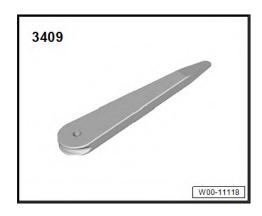
#### Removing and installing sill panel 5.1 moulding

- ⇒ a5.1.1 nd installing front sill panel moulding", page 142
- ⇒ a5.1.2 nd installing rear sill panel moulding", page 143

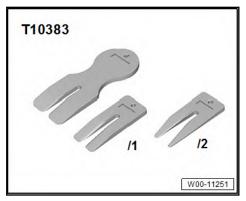
#### 5.1.1 Removing and installing front sill panel moulding

Special tools and workshop equipment required

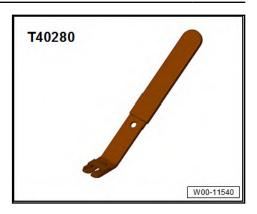
♦ Removal wedge -3409-



Wedge -T10383-



♦ Release tool -T40280-



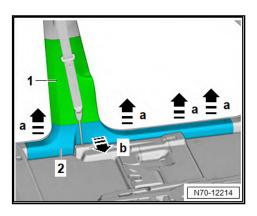


## Note

Removal and installation is described for the left vehicle side. Removal and installation for the right side is analogous.

#### Removing

 Unclip front sill panel moulding -2- upwards using wedge -T10383- -arrows a-.



 Using wedge -T10383-, unclip front sill panel moulding -2from lower B-pillar trim -1- -arrow b-.

#### Installing

Install in reverse order of removal, observing the following:



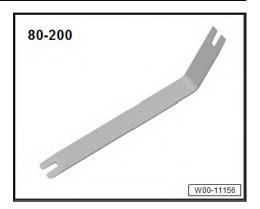
## Note

- ♦ Before installing, check all fasteners for damage, and renew them if necessary.
- If front sill panel moulding clips remain in the mounting points, remove them using the release tool -T40280-, and insert them in the sill panel moulding ready for installation.
- ♦ Following installation, ensure that the front sill panel moulding is positioned in the beading of the door seals.

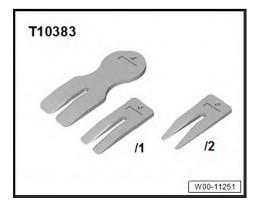
## 5.1.2 Removing and installing rear sill panel moulding

Special tools and workshop equipment required

Removal lever -80-200-



Wedge -T10383-



Release tool -T40280-

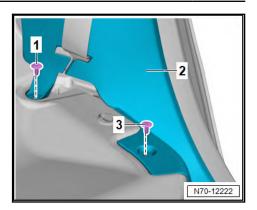




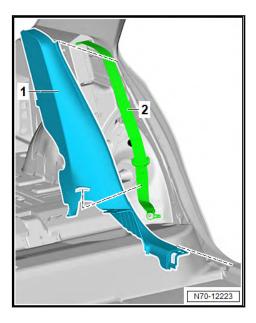
## Note

Removal and installation is described for the left vehicle side. Removal and installation for the right side is analogous.

- Remove bench seat ⇒ page 206.
- Remove front sill panel moulding ⇒ page 142.
- Lever plugs -1- and -3- out of rear sill panel moulding -2-using removal lever -80-200-.



 Using wedge -T10383-, release rear sill panel moulding -1from mountings in body.



 Guide belt webbing -2- through slot in rear sill panel moulding -1-.

## Installing

Install in reverse order of removal, observing the following:



## Note

- ♦ Before installing, check all securing elements for damage and renew if necessary.
- ♦ If rear sill panel moulding clips remain in the mounting points, remove them using the release tool -T40280-, and insert them in the sill panel moulding ready for installation.
- Following installation, ensure that the rear sill panel moulding is positioned in the beading of the door seals.

#### Removing and installing A-pillar trim 5.2

⇒ a5.2.1 nd installing A-pillar trim, upper A-pillar trim", page 146

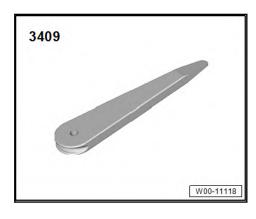
⇒ a5.2.2 nd installing A-pillar trim, lower A-pillar trim on driver side", page 149

⇒ a5.2.3 nd installing A-pillar trim, lower A-pillar trim, front passenger side", page 151

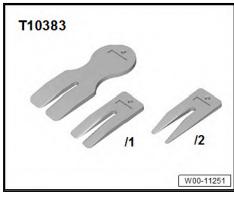
#### 5.2.1 Removing and installing A-pillar trim, upper A-pillar trim

Special tools and workshop equipment required

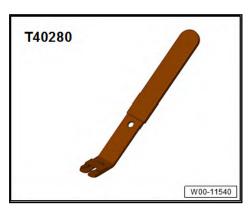
♦ Removal wedge -3409-



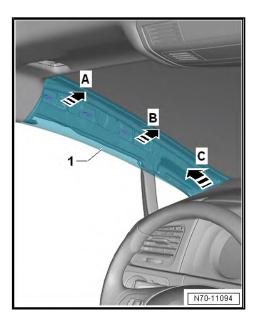
Wedge -T10383-



Removal tool -T40280-



#### Removing





## Note

Removal and installation is described for the left vehicle side. Follow same instructions for the right side as appropriate.

- Detach upper A-pillar trim -1- from door seal beading.
- Carefully release upper A-pillar trim -1- starting at top and continuing up to first catch -arrow A- and -arrow B- using removal wedge -3409-.



#### Note

When carrying out the steps below, the curtain airbag may become damaged. For this reason, proceed with extreme caution when bending the barbs.

- Insert a screwdriver between body and curtain airbag in area of each of the upper retaining clips.
- Using a screwdriver, bend barbs of upper retaining clip until retaining clip can be removed.



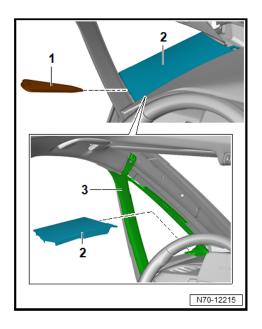
#### Note

Before installing, always renew the upper retaining clips.

 Pull upper A-pillar trim -1- upwards out of dash panel -arrow C-.

Volkswagen Technical Site: http://vwts.ru http://vwts.info

## Removing side window trim

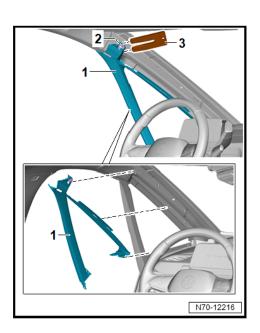




## Note

Removal and installation is described for the left vehicle side. Follow same instructions for the right side as appropriate.

- Remove upper A-pillar trim ⇒ page 146.
- Remove side dash panel cover  $\Rightarrow$  page 125.
- Remove A-pillar gap cover <u>⇒ page 152</u>.
- Detach upper A-pillar trim cover -2- from A-pillar trim mountings -3- using removal wedge -3409- -1-.
- Pull out upper A-pillar trim cover -2- towards rear.
- Using wedge -T10383/1- -3-, unclip trim -1- together with clip -2-.



Pull out trim -1-.

## Installing



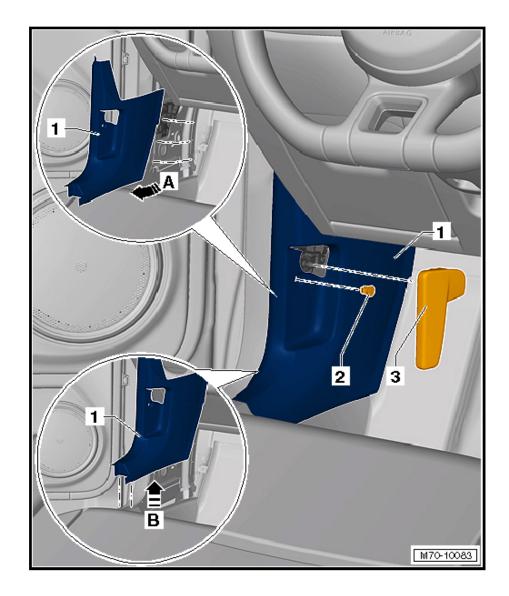
#### Note

- Before installing, check all fasteners for damage and renew if necessary.
- ♦ Remove any retaining clips left in body mountings using removal tool -T40280-.
- Insert retaining clips into the A-pillar trims prior to installation.
- ♦ Following installation, ensure that the A-pillars trim are positioned in door seal beading.

Install in reverse order of removal.

## 5.2.2 Removing and installing A-pillar trim, lower A-pillar trim on driver side

- Release front sill panel moulding at transition to lower A-pillar trim from body ⇒ page 142.
- Remove side dash panel cover ⇒ page 125.
- Remove A-pillar gap cover ⇒ page 152.



- Remove bonnet operating lever -3- ⇒ General body repairs, exterior; Rep. gr. 55; Bonnet; Removing and installing bonnet lock operating lever.
- Remove clip -2-.
- Release lower A-pillar trim -1- in -direction of arrow B- from body. Release lower A-pillar trim from door seal beading while doing so.
- Remove lower A-pillar trim -1- in -direction of arrow A- from mounting.

## Installing



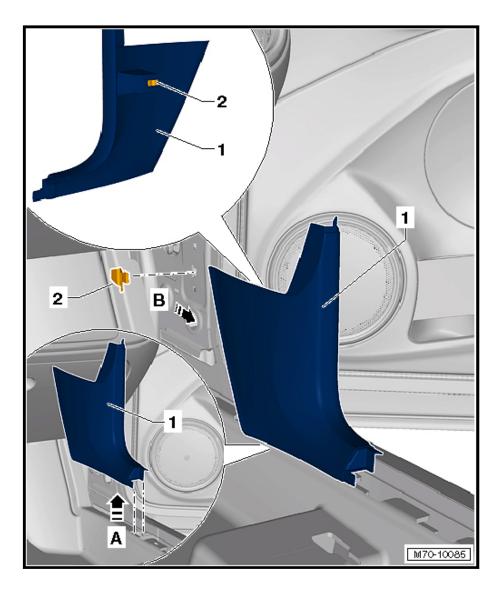
## Note

- Before installing, check all fasteners for damage and renew if necessary.
- Following installation, ensure that the A-pillars trim are positioned in door seal beading.

Install in reverse order of removal.

# 5.2.3 Removing and installing A-pillar trim, lower A-pillar trim, front passenger side

- Release front sill panel moulding at transition to lower A-pillar trim from body ⇒ page 142.
- Remove A-pillar gap cover ⇒ page 152.



- Release lower A-pillar trim -1- in -direction of arrow A- from body. Release lower A-pillar trim from door seal beading while doing so.
- Remove lower A-pillar trim -1- in -direction of arrow B- from A-pillar.

## Installing



## Note

- Before installing, check all fasteners for damage and renew if necessary.
- Following installation, ensure that the A-pillars trim are positioned in door seal beading.

Install in reverse order of removal.

## 5.3 Removing and installing A-pillar gap

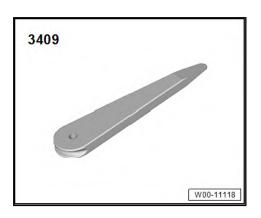


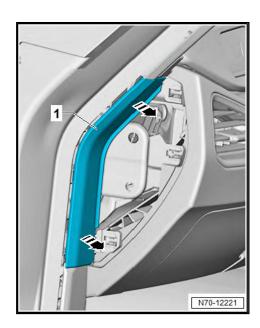
## Note

Removal and installation are described for the left side.

## Special tools and workshop equipment required

♦ Removal wedge -3409-





- Remove side dash panel cover <u>⇒ page 125</u>.
- Unclip A-pillar gap cover -1- -arrows-.
- Detach A-pillar gap cover -1- and remove.

## Installing



## Note

Following installation, ensure that the A-pillar gap cover is positioned in door seal beading.

Install in reverse order of removal.

## 5.4 Removing and installing B-pillar trim

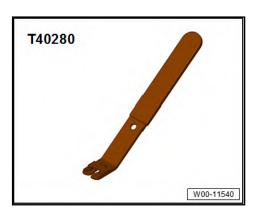
⇒ a5.4.1 nd installing upper B-pillar trim", page 153

⇒ a5.4.2 nd installing lower B-pillar trim", page 157

## 5.4.1 Removing and installing upper B-pillar trim

Special tools and workshop equipment required

♦ Removal tool -T40280-

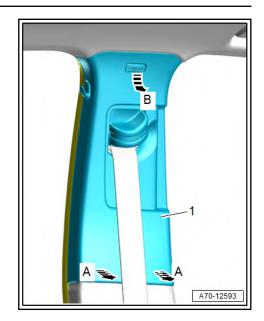




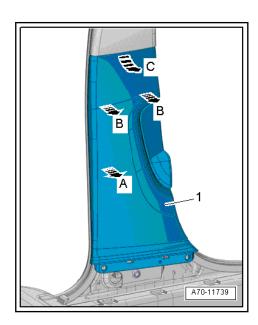
## Note

Removal and installation is described for the left vehicle side. Removal and installation for the right side is analogous.

- Remove bench seat ⇒ page 206 .
- Remove front seat ⇒ page 181.
- Remove front and rear sill panel moulding ⇒ page 142.



- Move clear B-pillar trim -1- in the area of door seals, detach it from B-pillar at side, and unclip -arrows A-.
- Pull upper B-pillar trim out of body mounting in direction of -arrow B-. To do this, swing trim towards inside and simultaneously pull it off downwards.
- Starting at bottom, unclip lower B-pillar trim -1- using removal lever -80-200- -arrows A, B, C-, and remove it.



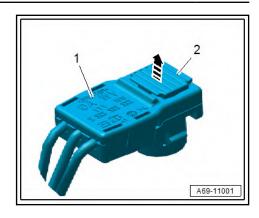
- Push aside floor covering in area of front belt end fitting.
- Disconnect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.

## A

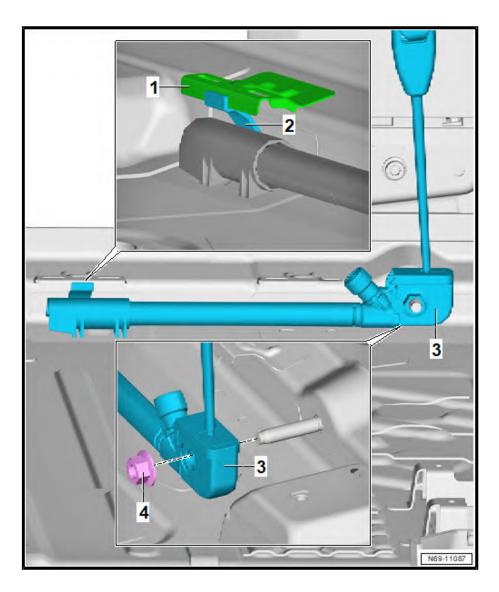
#### **CAUTION**

Pyrotechnic components can trigger unintentionally. Risk of injury.

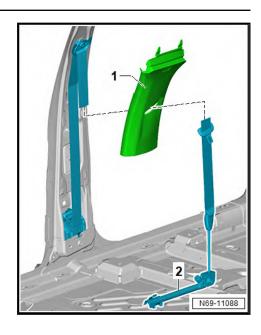
- Discharge any static electricity in body by briefly touching door striker plate.
- Release connector locking mechanism -2- -arrow- using a small screwdriver, and pull off electrical connector -1-.



- Unscrew nut -4-.
- Insert screwdriver between bracket -2- and metal collar -1-.
- Press bracket -2- downwards slightly, and detach belt end fitting -3- inwards.



 Guide belt end fitting -2- through opening in upper B-pillar trim -1-.



## Installing

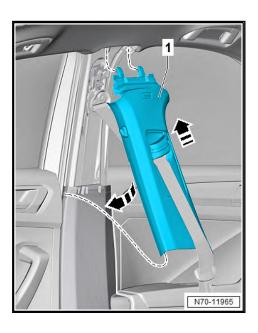


## Note

- Before installing, check all fasteners for damage, and renew them if necessary.
- Remove any retaining clips left in body mountings using removal tool -T40280-.
- Insert retaining clips into the B-pillar trim prior to installation.
- Following installation, ensure that the B-pillar trim is positioned in door seal beading.

Install in reverse order of removal, observing the following:

- Guide belt end anchor through upper B-pillar trim.
- Position B-pillar trim -1- slightly at an angle and push upwards.



Engage B-pillar trim -1- in clips in bottom area with twisting motion.



If parts of the belt system are removed because of an accident, the belt system bolts must be renewed.



#### Note

Ensure that the electrical connectors are pushed fully onto stop and engage audibly.



## **WARNING**

Danger of airbag being triggered.

## Risk of injury.

- Switching on the ignition (key/button) after assembly may only be carried out on the driver seat in the rearmost position.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.

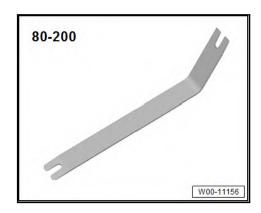
#### **Specified torques**

◆ ⇒ o1.2 verview - front three-point seat belt", page 49

## 5.4.2 Removing and installing lower B-pillar trim

#### Special tools and workshop equipment required

♦ Removal lever -80-200-



♦ Removal tool -T40280-



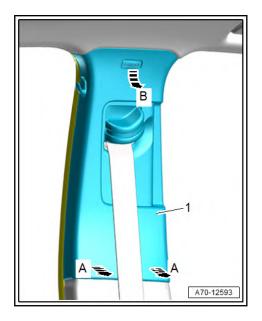


## Note

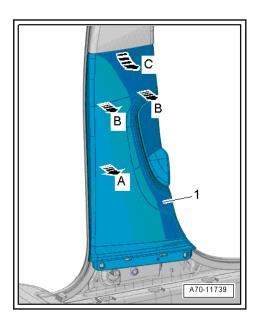
Removal and installation is described for the left vehicle side. Removal and installation for the right side is analogous.

#### Removing

Remove sill panel moulding at front ⇒ page 142.



- Move clear B-pillar trim -1- in the area of door seals, detach it from B-pillar at side, and unclip -arrows A-.
- Pull upper B-pillar trim out of body mounting in direction of -arrow B-. To do this, swing trim towards inside and simultaneously pull it off downwards.
- Starting at bottom, unclip lower B-pillar trim -1- using removal lever -80-200- -arrows A, B, C-, and remove it.



## Installing

Install in reverse order of removal, observing the following:

- Remove any retaining clips left in body using removal tool -T40280-, and insert them into trim ready for installation.
- Before installing, check all fasteners for damage, and renew them if necessary.

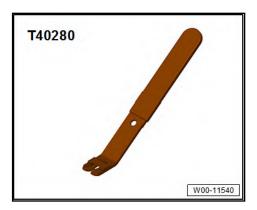
Continue installation in reverse order of removal.

Check door seals for proper seating after assembly.

## 5.5 Removing and installing C-pillar trim

## Special tools and workshop equipment required

♦ Removal tool -T40280-

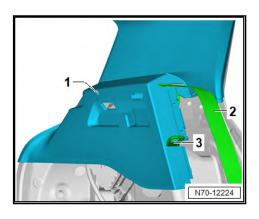




## Note

Removal and installation is described for the left vehicle side. Removal and installation for the right side is analogous.

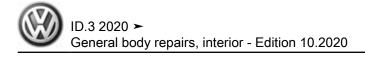
#### Removing



- Remove roof end strip ⇒ page 168.
- Remove bench seat ⇒ page 206 .
- Remove front sill panel moulding ⇒ page 142.
- Remove rear sill panel moulding ⇒ page 143.
- Release C-pillar trim -1- from mountings in body.
- Guide out C-pillar trim -1- at backrest striker -3-.
- Guide belt webbing -2- through slot in C-pillar trim -1-.
- Disconnect electrical connector.

## Installing

Install in reverse order of removal, observing the following:





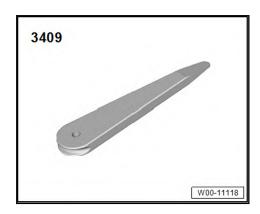
## Note

- Before installing, check all fasteners for damage, and renew them if necessary.
- Remove any retaining clips left in body mountings using removal tool -T40280-.
- Insert retaining clips into the C-pillar trim prior to installation.
- Following installation, ensure that the C-pillar trim is positioned in door seal beading.

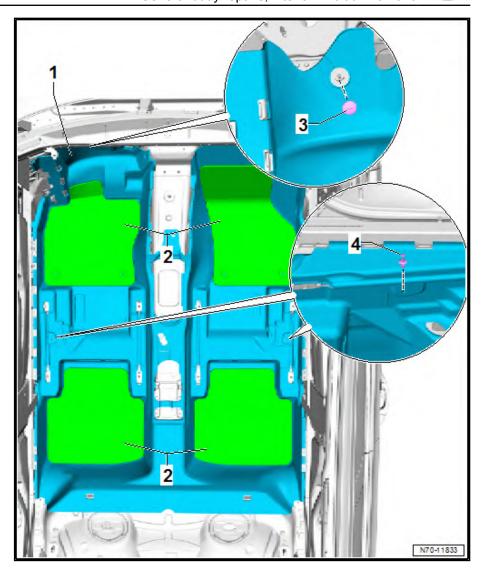
#### Removing and installing floor covering 5.6

## Special tools and workshop equipment required

♦ Removal wedge -3409-



- Remove front seats ⇒ page 181.
- Remove bench seat ⇒ page 206.
- Remove sill strip ⇒ page 142.
- Remove lower A-pillar trims ⇒ page 146.
- Remove centre console <del>⇒ page 38</del>.



- Remove foot mats -2-.
- Remove clips -3- using removal wedge -3409-.
- Lift floor covering -1- and pull it towards rear.



## Note

Disregard item -4-.

 Fold floor covering together and remove it through front door.



## Note

Ensure that the floor covering is not torn in the area of the cut-outs.

## Installing

Install in reverse order of removal.

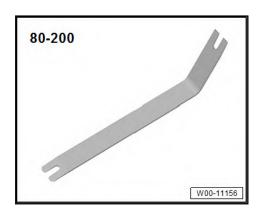
#### Luggage compartment trims 6

- ⇒ a6.1 nd installing lower rear lid trim", page 162
- ⇒ a6.2 nd installing upper rear lid trim", page 163
- ⇒ a6.3 nd installing luggage compartment side trim", page 164
- ⇒ a6.4 nd installing lock carrier trim", page 165
- ⇒ a6.5 nd installing support for luggage compartment floor", page 166

#### 6.1 Removing and installing lower rear lid trim

## Special tools and workshop equipment required

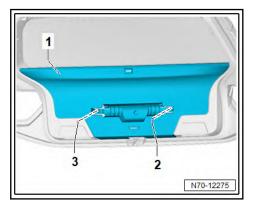
♦ Removal lever -80-200-



Removal tool -T40280-

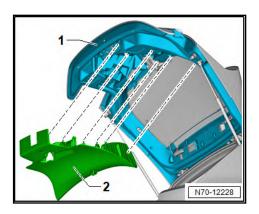


- Remove warning triangle.
- Unscrew bolts -2- and -3- from lower rear lid trim -1-.





 Use removal wedge -80-200- to unclip lower rear lid trim -2from rear lid -1-.



## Installing

Install in reverse order of removal, observing the following:

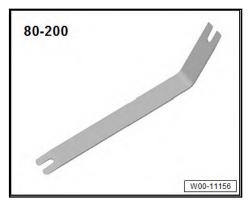
- Remove any retaining clips left in body using removal tool
   -T40280-, and insert them into trim ready for installation.
- Before installing, check all fasteners for damage, and renew them if necessary.

Component	Specified torque
Bolts for securing lower rear lid trim to rear lid	2.5 Nm

## 6.2 Removing and installing upper rear lid trim

Special tools and workshop equipment required

♦ Removal lever -80-200-

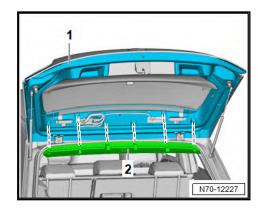


♦ Removal tool -T40280-



#### Removing

 Use removal wedge -80-200- to unclip upper rear lid trim -2from rear lid -1-.



#### Installing

Install in reverse order of removal, observing the following:

- Remove any retaining clips left in body using removal tool -T40280-, and insert them into trim ready for installation.
- Before installing, check all fasteners for damage, and renew them if necessary.
- Make sure that all rubber buffers are present in the trim.
- First, guide rear lid trim behind window frames sides of rear lid
- Clip in rear lid trim -1- at top first, then at sides.

# 6.3 Removing and installing luggage compartment side trim

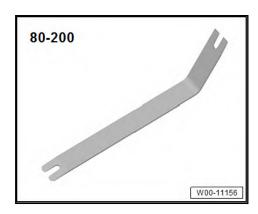


## Note

Removal and installation are described for the left side.

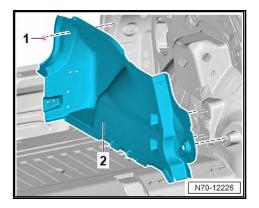
## Special tools and workshop equipment required

♦ Removal lever -80-200-



- If fitted, remove luggage compartment floor towards rear.
- If fitted, remove luggage compartment floor covering bracket
   ⇒ page 166
- Remove rear seat backrest ⇒ page 210 .

- Remove lock carrier trim ⇒ page 165.
- Remove plug -1- using removal lever -80-200-.



 Detach luggage compartment side trim -2- fat eyelets, and remove it.

## Installing

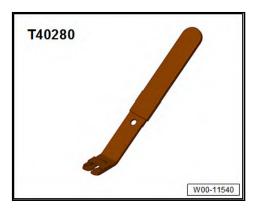
Install in reverse order of removal, observing the following:

 Before installing, check all fasteners for damage, and renew them if necessary.

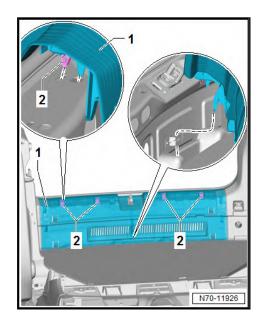
## 6.4 Removing and installing lock carrier trim

Special tools and workshop equipment required

♦ Removal tool -T40280-



#### Removing



- If fitted, remove luggage compartment floor towards rear.
- Free off lock carrier trim in area of rear lid seal.
- Take trim -1- off upwards.

#### Installing

Install in reverse order of removal, observing the following:

- Remove any retaining clips left in body -2- using removal tool -T40280-, and insert them into trim ready for installation.
- Before installing, check all fasteners for damage, and renew them if necessary.

#### 6.5 Removing and installing support for luggage compartment floor

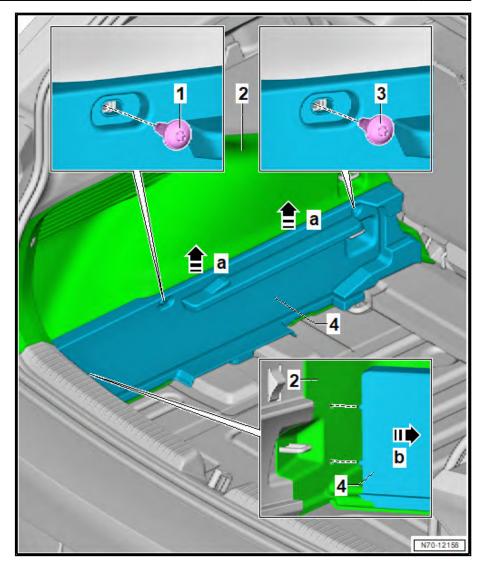


#### Note

Removal and installation are described for the left side.

- If fitted, remove luggage compartment floor towards rear.
- Unscrew bolts -1- and -3-.
- Pull support for luggage compartment floor -4- upwards out of luggage compartment side trim -2- -arrows a-.
- Pull support for luggage compartment floor -4- towards front and out of luggage compartment side trim -2- -arrows b-, and remove it.





## Installing

Install in reverse order of removal.

## Specified torques

Component	Specified torques
Bolts for securing support for lug- gage compartment floor to body	8.0 Nm

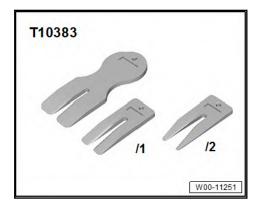
#### **Roof trims** 7

- ⇒ a7.1 nd installing roof end strip", page 168
- ⇒ a7.2 nd installing moulded headlining", page 169
- ⇒ r7.3 oof reinforcement to body", page 171

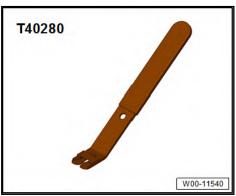
#### Removing and installing roof end strip 7.1

Special tools and workshop equipment required

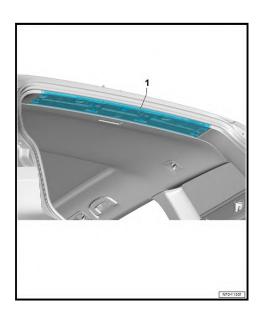
♦ Wedge -T10383-



Removal tool -T40280-



## Removing



Release roof end strip -1- in area of retaining clips from body mountings using wedge -T10383-.

- Remove roof end strip -1- downwards.

## Installing



## Note

- Before installing, check all fasteners for damage and renew if necessary.
- Remove any retaining clips left in body mountings using removal tool -T40280-.
- ♦ Insert retaining clips into the roof end strip prior to installa-
- ♦ Following installation, ensure that roof end strip is positioned in rear lid seal beading.

Install in reverse order of removal.

## 7.2 Removing and installing moulded headlining

Special tools and workshop equipment required

♦ Release pliers -T10558A-



♦ Removal tool -T40280-



- Remove roof end strip ⇒ page 168.
- Remove upper A-pillar trims ⇒ page 146.
- Detach upper B-pillar trims ⇒ page 153.
- Remove bench seat ⇒ page 206.
- Remove front sill panel moulding ⇒ page 142.
- Remove rear sill panel moulding ⇒ page 143.

- Remove C-pillar trims ⇒ page 159.
- If necessary, remove interior mirror covers ⇒ page 42.
- Remove sun visors ⇒ page 28.
- Remove sun visor centre mount ⇒ page 31.
- Remove front roof module -WX3- ⇒ Electrical system; Rep. gr. 96; Lights; Overview of fitting locations - lights in roof
- Remove roof grab handle <u>⇒ page 32</u>.
- Disconnect electrical connector for moulded headliner wiring harness in retaining frame for moulded headliner.

#### Vehicles with panoramic tilting sunroof

- Open sun blind.
- Unclip moulded headliner from panoramic tilting sunroof all around.

#### Continued for all vehicles

- Fold down rear seat backrests.
- Move front seat to foremost and lowest position.
- Move backrest backwards as far as stop.



#### Note

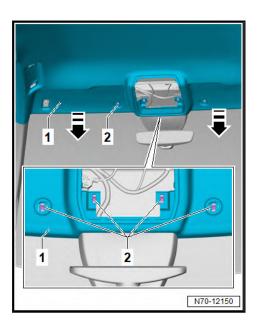
- The moulded headliner is easily kinked.
- If kinked, the headliner must be renewed.



#### Note

When carrying out the steps below, ensure that release pliers -T10558A- are positioned centrally in retaining clips.

Using release pliers -T10558A-, release retaining clips -2- in retaining frame for moulded headliner -1- from body mountings.



- Hold moulded headliner -1- in such a way -arrows- that released retaining clips -2- do not engage again.
- With the aid of a second mechanic, carefully remove moulded headliner -1- from vehicle through rear lid aperture.



## Note

Remove any retaining clips left in body mountings using removal tool -T40280-.

#### Installing

Install in reverse order of removal, observing the following:



#### Note

Before installing, check all fasteners for damage and renew if necessary.

## 7.3 Installing roof reinforcement to body

## Special tools and workshop equipment required

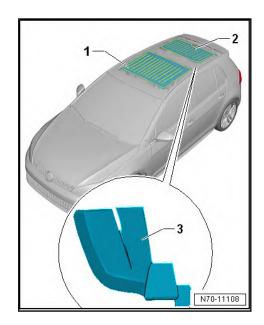
- ♦ Electric cutter -V.A.G 1561B-
- ♦ Scraping blade -V.A.G 1561/20-



♦ Hand-cartridge gun -V.A.G 1628-



#### Removing



- Remove moulded headliner <u>⇒ page 169</u>.
- Cut roof reinforcements -1- and -2- into approx. 6 cm wide strips -3- -dot-dash lines-, using a carpet knife.
- Pull strips -3- off roof.
- Cut back adhesive residue using electric cutter -V.A.G 1561B- and scraper -V.A.G 1561/20-.



#### Note

If the paint structure has been damaged on removal of roof reinforcements, repair paint damage according to guidelines of ⇒ Paint workshop manual.

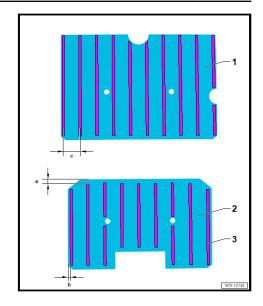
#### Installing



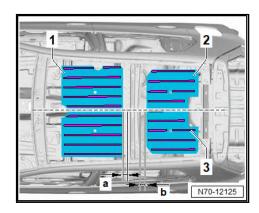
Observe adhesive processing instructions when installing the roof reinforcement.

Use hand-cartridge gun -V.A.G 1628- to apply 1-pack assembly adhesive (> Electronic parts catalogue) to roof reinforcements. Observe the following dimensions while doing





- ♦ Dimension -a- = 20 mm
- ♦ Dimension -b- = 25 mm
- ♦ Dimension -c- = 95 mm
- Measure roof reinforcements -1- and -2- to width and mark centre of both sides.



- Guide roof reinforcement -1- into vehicle.
- Position roof reinforcement -1- according to dimension -acentrally on roof, and press it on across entire surface.

Dimension -a-:  $45 \pm 5$  mm from front sheet-metal edge.

- Guide roof reinforcement -2- into vehicle.
- Position roof reinforcement -2- according to dimension -bcentrally on roof; and press it on across entire surface.

Dimension -a-: 27 ± 5 mm from rear sheet-metal edge.

## 72 – Seat frames

## Front seats

- ⇒ o1.1 f fitting locations electrical and electronic components", page 174
- ⇒ o1.2 verview front seat", page 176
- ⇒ o1.3 verview front backrest", page 177
- ⇒ o1.4 verview head restraint", page 178
- ⇒ o1.5 verview seat pan", page 179
- ⇒ a1.6 nd installing front seat", page 181
- ⇒ a1.7 nd installing handle for seat height adjustment", page 193
- ⇒ a1.8 nd installing seat height adjustment unit", page 194
- ⇒ a1.9 nd installing front backrest", page 195
- ⇒ a1.10 nd installing head restraint", page 197
- ⇒ a1.11 nd installing head restraint guide", page 199
- ⇒ a1.12 nd installing lumbar support", page 199
- ⇒ a1.13 nd handle for installing backrest adjustment", page 200
- 1.1 Overview of fitting locations - electrical and electronic components



# 1 - Inner side airbag, driver side

- With
- Igniter for central airbag for occupant collision protection, driver side -N737-
  - Only on driver side
  - Assembly overview ⇒ page 88
  - □ Removing and installing ⇒ page 91

### 2 - Lumbar support

- □ With
- Front left lumbar support adjustment motor -VX2-
  - □ Removing and installing ⇒ page 199
  - Version

### 3 - Front side airbag

- □ With
- Side airbag igniter on driver side -N199-
- Side airbag igniter on front passenger side -N200-
  - Assembly overview ⇒ page 88
  - Removing and installing ⇒ page 89

### 4 - Massage function button

- Driver seat massage function button -E670-
  - ☐ Clipped into outer seat trim, "ergoActive driver seat"
  - ☐ Removing and installing outer seat trim, "ergoActive driver seat" <u>⇒ page 187</u>

### 5 - Seat adjustment operating unit

- ◆ Driver seat adjustment operating unit -E470-
  - □ Removing and installing ⇒ page 191

### 6 - Lumbar support adjustment switch

- ◆ Driver seat lumbar support adjustment switch -E176-
  - □ Removing and installing ⇒ page 192

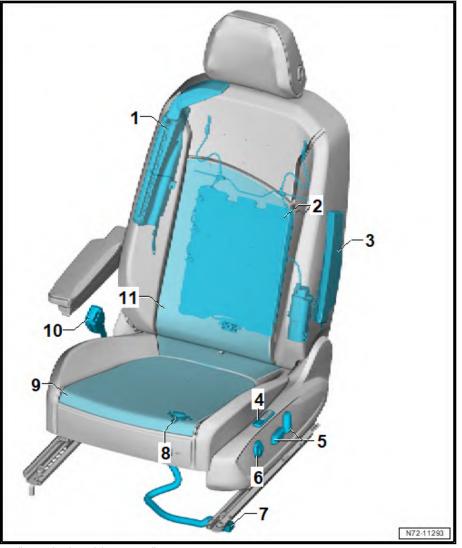
### 7 - Coupling station

- □ For front seat
- ☐ Number of electrical connectors varies depending on equipment version

### 8 - Seat occupied sensor

- ♦ Seat occupied sensor on driver side -G1067-
- ♦ Seat occupied sensor on front passenger side -G128-
  - Overview of fitting locations seat occupied recognition system ⇒ page 107
  - □ Removing and installing ⇒ page 108

### 9 - Seat heating element



- Heated seat cushion for driver seat -Z6-
- Heated seat cushion for front passenger seat -Z8-
  - □ Version
  - □ Removing and installing ⇒ page 231

### 10 - Front belt buckle

- ☐ With
- ◆ Driver seat belt buckle switch -E24-
- ♦ Front passenger side belt switch -E25-
  - ☐ Assembly overview front belt buckle <u>⇒ page 52</u>
  - □ Removing and installing ⇒ page 64

### 11 - Backrest heating element

- ♦ Heated backrest for driver seat -Z7-
- ♦ Heated backrest for front passenger seat -Z9-
  - Version
  - ☐ Removing and installing ⇒ page 232

### 1.2 Assembly overview - front seat

### Schematic diagram



Note

The illustration shows the seat on the left side. Fitting locations for the right-hand side are similar.

### 1 - Front seat

Removing and installing ⇒ page 181

### 2 - Head restraint

- Assembly overview ⇒ page 178
- □ Removing and installing ⇒ page 197

# 3 - Adjusting lever for lumbar support

Version

### 4 - Hand wheel

- ☐ For backrest adjustment
- □ Removing and installing ⇒ page 200

### 5 - Seat trim

- Outer side
- ⇒ a1.6.3 nd installing outer seat trim, seats with height adjustment", page 185
- ⇒ a1.6.4 nd installing outer seat trim, ergoActive driver seat", page 187
- ⇒ a1.6.5 nd installing outer seat trim, front passenger seat without height adjust-ment", page 188

# 6 - Handle for seat height adjustment

- Version
- Removing and installing ⇒ page 193

### 7 - Storage compartment

Version

### 8 - Seat longitudinal adjustment handle

- ☐ Pull off by hand or separate from handle mounting using rubber-headed or plastic hammer.
- ☐ Drive onto handle mounting as far as stop using a rubber hammer, taking care not to damage surface

### 9 - Bolt

- □ Qty. 4
- □ 40 Nm

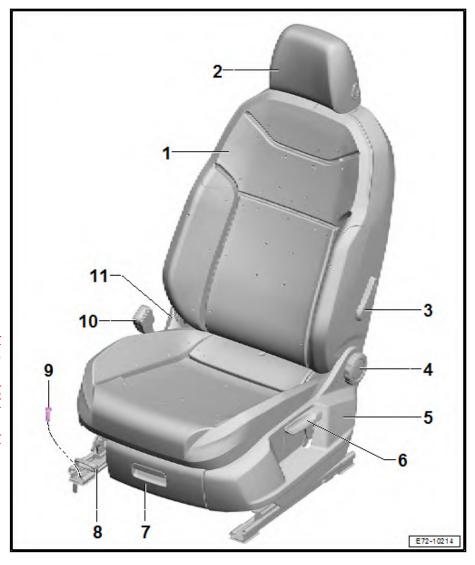
### 10 - Belt buckle

□ Removing and installing ⇒ page 64

### 11 - Inner seat trim

□ Removing and installing ⇒ page 184

### 1.3 Assembly overview – front backrest



### 1 - Head restraint guide

- □ Assembly overview ⇒
- □ Removing and installing <del>⇒ page 199</del>

### 2 - Lever

Version

# 3 - Backrest adjustment han-

□ Removing and installing ⇒ page 200

### 4 - Bolt

- □ Renew after removal
- Observe specified torque and tightening sequence ⇒ page 197

### 5 - Bolts

- □ For head restraint guide
- □ Specified torque ⇒ page 178

### 6 - Seat pan

□ Assembly overview

### 7 - Backrest

- □ Depending on vehicle equipment, with lumbar support adjustment
- □ Removing and installing backrest cover and padding <u>⇒ page 226</u>.
- □ Removing and installing ⇒ page 195

# N72-10782

### 8 - Head restraint

□ Removing and installing ⇒ page 197

### 1.4 Assembly overview - head restraint

### 1 - Head restraint

□ Removing and installing ⇒ page 197

### 2 - Cover

☐ Secured to backrest cover

### 3 - Head restraint guide

- □ With release tab
- □ Removing and installing ⇒ page 199

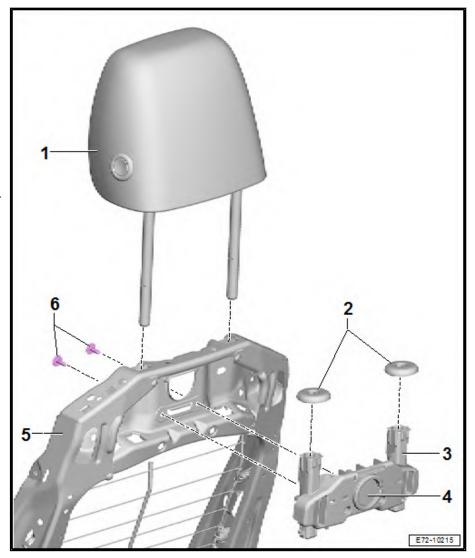
# 4 - Head restraint release button

☐ Located approx. "9 cm" beneath upper part of backrest

### 5 - Backrest frame

### 6 - Bolts

□ 2 Nm



### 1.5 Assembly overview - seat pan



Note

The illustration shows the seat pan on the left side. Fitting locations for the right-hand side are similar.

### 1 - Seat padding

- Removing and installing cover and padding on seat pan <u>⇒ page</u>
- Separating seat pan cover from seat pan padding ⇒ page 229

### 2 - Seat pan

### 3 - Bracket

- For outer seat trim
- Removing and installing ⇒ page 190

### 4 - Bolt

- □ Qty. 2
- □ 8 Nm

### 5 - Hand wheel

- ☐ For backrest adjustment
- Removing and installing ⇒ page 200

### 6 - Spreader rivet

### 7 - Handle for seat height adjustment

- Version
- □ Removing and installing <del>⇒ page 193</del>

### 8 - Bolt

- Version
- □ 2 Nm

### 9 - Seat trim

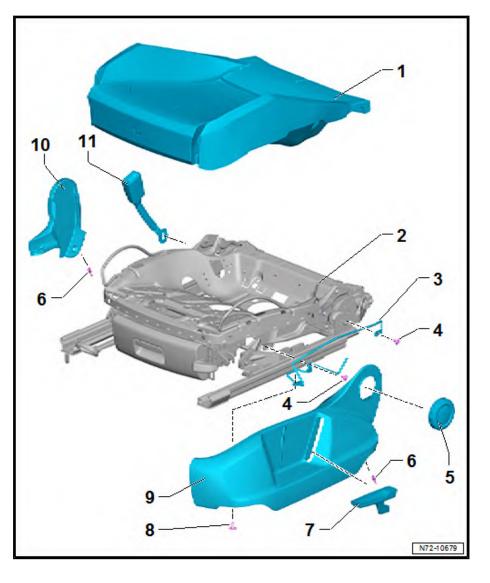
- Outer side
- ♦ a1.6.3 nd installing outer seat trim, seats with height adjustment", page 185
- ⇒ a1.6.4 nd installing outer seat trim, ergoActive driver seat", page 187
- ◆ ⇒ a1.6.5 nd installing outer seat trim, front passenger seat without height adjustment", page 188

### 10 - Seat trim

- ☐ Inner side
- □ Removing and installing ⇒ page 184

### 11 - Belt buckle

- ☐ Driver side: with driver side belt switch -E24-.
- ☐ Front passenger side: with front passenger side belt switch -E25-.
- □ Removing and installing ⇒ page 64





### 1.6 Removing and installing front seat

- ⇒ a1.6.1 nd installing front seat", page 181
- ⇒ a1.6.2 nd installing inner seat trim", page 184
- ⇒ a1.6.3 nd installing outer seat trim, seats with height adjustment", page 185
- ⇒ a1.6.4 nd installing outer seat trim, ergoActive driver seat", page 187
- $\Rightarrow$  a1.6.5 nd installing outer seat trim, front passenger seat without height adjustment", page 188
- ⇒ a1.6.6 nd installing bracket for seat trim", page 190
- ⇒ a1.6.7 nd installing seat height adjustment operating lever", page 190
- ⇒ a1.6.8 nd installing seat adjustment operating unit E470", page 191
- ⇒ a1.6.9 nd installing driver seat lumbar support adjustment switchE176", page 192

### 1.6.1 Removing and installing front seat

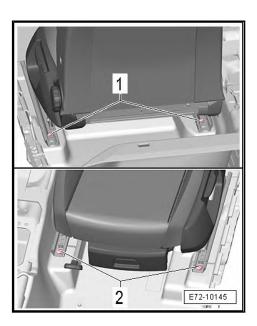


### Note

Removal and installation is described for the left seat. Removal and installation for the right seat is analogous.

### Removing

Remove head restraint ⇒ page 197.



- Move seat to front, highest position.
- Unscrew bolts -1- at rear of seat rail.
- Move seat to rearmost and lowest position.
- Observe safety precautions when working on pyrotechnic components ⇒ page 3.
- De-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; De-energising high-voltage system.

- Deactivate vehicle's drive system, and switch off all electrical consumers.
- Store the vehicle key and other entry and start authorisation systems outside the vehicle to prevent the vehicle from being switched on unintentionally.
- Disconnect battery ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Unscrew bolts -2- at front of seat rail.
- Fold front seat backwards.
- Open cover in floor covering.



### CAUTION

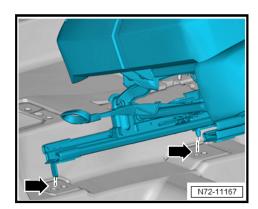
Pyrotechnic components can trigger unintentionally. Risk of injury.

- Discharge any static electricity in body by briefly touching door striker plate.
- Depending on vehicle equipment, release and pull wiring harnesses off coupling station on seat.
- If seat is lifted out of vehicle or transported, it must not, in order to prevent damage, be gripped by attaching parts such as, e.g. belt buckle, lever for seat longitudinal adjustment, lever for seat height adjustment or seat trim.
- Use suitable means to protect attachments against damage.
- Lift front seat out of vehicle with the aid of a second mechanic.

### Installing

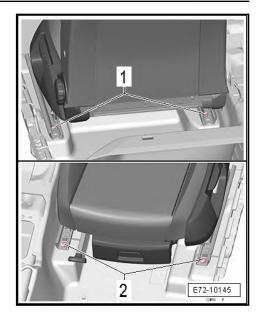
Install in reverse order of removal, observing the following:

- Lift seat into vehicle through front door opening.
- First insert centring pin on front inner side -arrow-.



- Afterwards insert centring pin on rear inner side -arrow-.
- Align seat rails. The seat rails must have the same position in fastener.
- Align the seat in the vehicle.
- Locate front bolts -2- on inner side in vehicle.





- Locate front bolts -2- on outer side in vehicle.
- Move seat to foremost and highest position.
- Locate rear bolt -1- on inner side in vehicle.
- Locate rear bolt -1- on outer side in vehicle.
- Tighten bolts -1- to specified torque.
- Move seat to rearmost position.
- Tighten bolts -2- to specified torque.

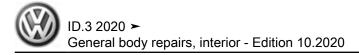


### Note

If a thread in the seat cross member mounting plate becomes damaged during installation, reworking damaged threads is prohibited. In this case, the seat cross member mounting plate must be replaced.

# If seat cross member mounting plate threads have been damaged:

- Replace seat cross member mounting plate concerned
   ⇒ Body Repairs; Rep. gr. 51
- Do not remove airbag adapter -VAS 6282- until front seat has been installed.
- Engage side airbag wiring harness in coupling station.
- Depending on vehicle equipment, engage wiring harnesses in coupling station.
- Close cover in floor covering.
- Switch on ignition.
- Connect battery earth cable ⇒ Electrical system; Rep. gr. 27; Battery; Disconnecting and connecting battery.
- Re-energise high-voltage system ⇒ Electric drive; Rep. gr. 93; Re-energising high-voltage system.



### CAUTION

Pyrotechnic components can trigger unintentionally. Risk of injury.

- Keep far away from pyrotechnic components when initiating operational readiness.
- Activate vehicle's drive system.
- Read and clear event memory with ⇒ Vehicle diagnostic tester.

### **Specified torques**

♦ ⇒ o1.2 verview - front seat", page 176

### 1.6.2 Removing and installing inner seat trim

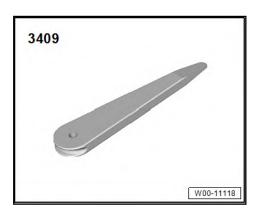


### Note

Removal and installation are described for the left side.

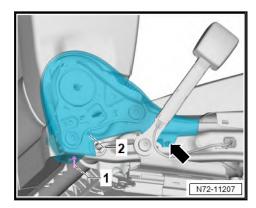
### Special tools and workshop equipment required

♦ Removal wedge -3409-



### Removing

Remove front seat ⇒ page 181.



- Remove spreader rivet -1- of inner trim -2-.
- To do this, press clamping pin in spreader rivet -1- inwards.
- Lever off spreader rivets -1- using removal wedge -3409-.
- Detach inner trim -2- from seat pan mountings towards rear -arrow-.

### Installing

Install in reverse order of removal, observing the following:

- Insert spreader rivet -1-, and press in clamping pin.

# 1.6.3 Removing and installing outer seat trim, seats with height adjustment

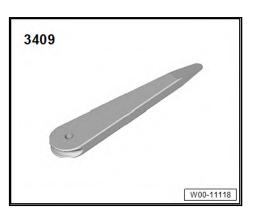


Note

Removal and installation are described for the left side.

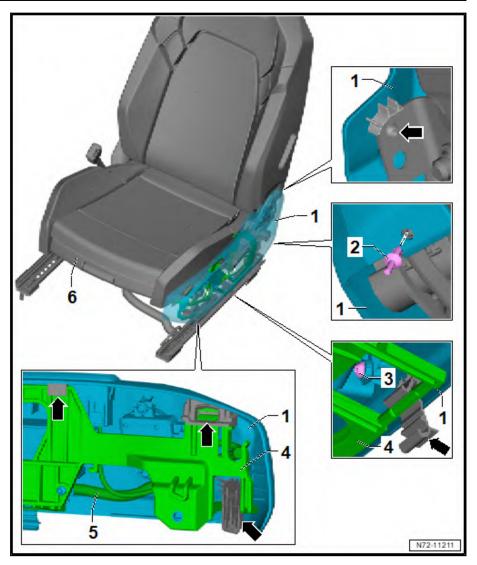
### Special tools and workshop equipment required

♦ Removal wedge -3409-



### Removing

- Adjust seat to fully upright position.
- Remove handle for backrest tilt adjustment ⇒ page 200 .
- Remove handle for seat height adjustment  $\Rightarrow$  page 193 .



- If fitted, unscrew bolt -3-.
- Press clamping pin in spreader rivet -2- inwards.
- Use removal wedge -3409- to lever spreader rivet off trim
- Open locking elements -arrows- on trim -1-.
- Remove trim from bracket -4- towards front.



### Note

The wiring harness -5- is not fitted in the case of the trim described here.

### Installing

Install in reverse order of removal, observing the following:

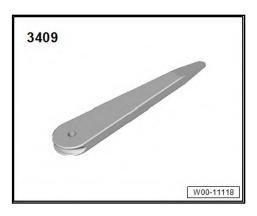
### **Specified torques**

♦ ⇒ o1.5 verview - seat pan", page 179

# 1.6.4 Removing and installing outer seat trim, "ergoActive driver seat"

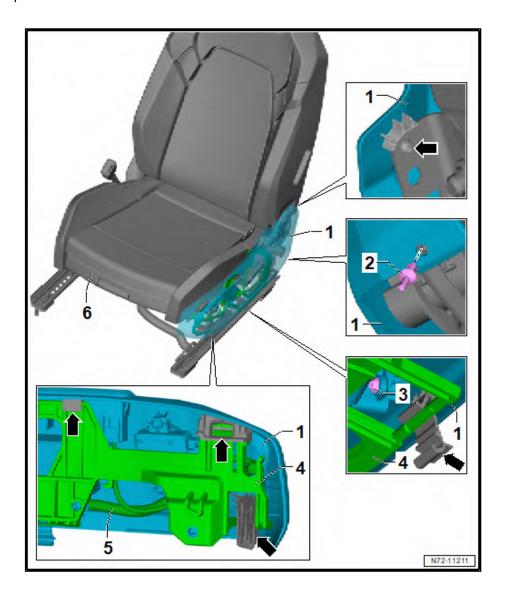
### Special tools and workshop equipment required

♦ Removal wedge -3409-



### Removing

- Adjust seat to fully upright position.



- If fitted, unscrew bolt -3-.

- Press clamping pin in spreader rivet -2- inwards.
- Use removal wedge -3409- to lever spreader rivet off trim
- Open locking elements -arrows- on trim -1-.
- Remove trim from bracket -4- towards front.
- Unclip wiring harness -5- from trim -1-.
- Release and pull off electrical connectors on switches.

### Installing

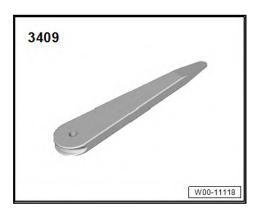
Install in reverse order of removal, observing the following:

### **Specified torques**

- ◆ ⇒ o1.5 verview seat pan", page 179
- 1.6.5 Removing and installing outer seat trim, front passenger seat without height adjustment

### Special tools and workshop equipment required

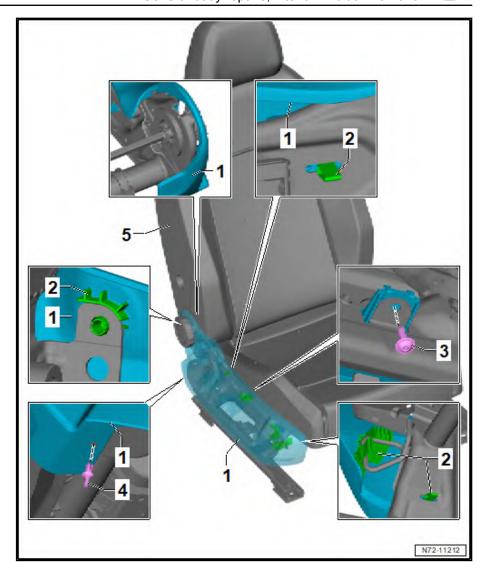
♦ Removal wedge -3409-



### Removing

- Remove handle for backrest tilt adjustment <u>⇒ page 200</u>.





- Unscrew bolt -3-.
- Press clamping pin -4- in spreader rivet inwards.
- Use removal wedge -3409- to lever spreader rivet off trim
- Release mounting points of trim -2-.
- Guide trim -1- over backrest adjuster.
- Remove trim -1- towards front.

### Installing

Install in reverse order of removal, observing the following:

### Specified torques

### 1.6.6 Removing and installing bracket for seat trim

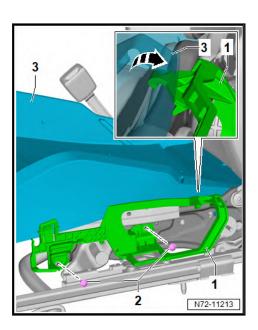


### Note

Removal and installation are described for the left side.

### Removing

- Remove outer seat trim:
- $\Rightarrow$  a1.6.3 nd installing outer seat trim, seats with height adjustment", page 185
- $\Rightarrow$  a1.6.4 nd installing outer seat trim, ergoActive driver seat", page 187
- Unscrew bolts -2-.



Detach retaining bracket -1- behind side panel, and remove it from front seat -3- -arrow-.

### Installing

Install in reverse order of removal, observing the following:

### Specified torques

- ◆ ⇒ o1.5 verview seat pan", page 179
- Removing and installing seat height 1.6.7 adjustment operating lever

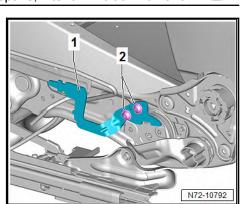


### Note

Removal and installation are described for the left side.

### Removing

- Remove outer seat trim, seats with height adjustment ⇒ page 185
- Unscrew bolts -2-.



- Detach lever -1- for seat height adjustment.

### Installing

Install in reverse order of removal, observing the following:



### Note

Push the lever downwards during assembly.

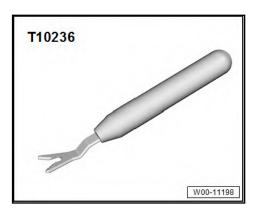
### Specified torque

Component	Specified torque
Bolts for securing operating lever to seat height adjustment unit	8 Nm

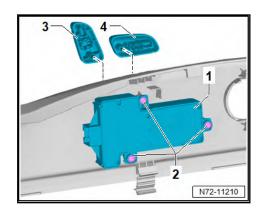
### 1.6.8 Removing and installing seat adjustment operating unit -E470-

Special tools and workshop equipment required

♦ Release tool -T10236-



### Removing



- Remove outer seat trim, "ergoActive driver seat" ⇒ page
- Carefully lever buttons -3- and -4- out of fasteners of seat adjustment operating unit using release tool -T10236-.
- Unscrew bolts -2-.
- Remove seat adjustment operating unit -E470- -item 1-

### Installing

Install in reverse order of removal, observing the following:

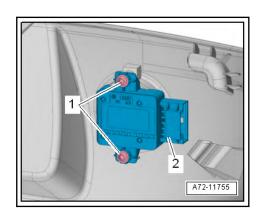
- Press on operating unit until it engages audibly.

### Specified torque

Component	Specified torque
Bolts	0.65 Nm

### Removing and installing driver seat 1.6.9 lumbar support adjustment switch -E176-

### Removing



- Remove outer seat trim, "ergoActive driver seat" ⇒ page
- Unscrew bolts -1-.
- Remove switch -2-.

### Installing

Install in reverse order of removal, observing the following:

### **Specified torques**

Component	Specified torque
Bolt	0.65 Nm

# 1.7 Removing and installing handle for seat height adjustment



### Note

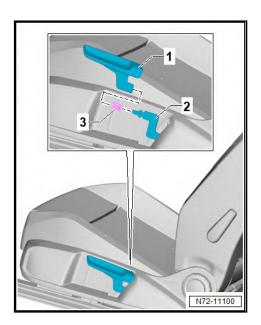
The handle for seat height adjustment can be renewed with front seat installed.

### Removing



### Note

- ♦ Remove handle for seat height adjustment as described. Do not knock handle for seat height adjustment off lever.
- ♦ The handle for seat height adjustment has to be renewed then.
- Pull handle for seat height adjustment -1- as far as possible upwards and hold it in this position.



- Guide a small screwdriver through handle for seat height adjustment -1- and trim up to retaining clip -3-.
- Push locking lug of retaining clip -3- inwards using screwdriver.
- Simultaneously pull handle for seat height adjustment -1- off lever -2-.

### Installing

Install in reverse order of removal, observing the following:

- Check retaining clip -3- for damage and ensure it is properly seated on lever -2-.
- Slide handle for seat height adjustment -1- onto lever -2until it engages.

- After installing, ensure that retaining clip -3- is properly engaged.
- Check firm seating by pulling on it.

### 1.8 Removing and installing seat height adjustment unit

- ⇒ o1.8.1 verview seat height adjustment", page 194
- ⇒ a1.8.2 nd installing seat height adjustment unit", page 195

### 1.8.1 Assembly overview - seat height adjustment



### Note

The illustration shows the seat height adjustment on the left side. Fitting locations for the right-hand side are similar.

### 1 - Handle

- ☐ For seat height adjustment
- Removing and installing ⇒ page 193

### 2 - Retaining clip

Ensure firm seating

### 3 - Lever

☐ For seat height adjuster handle

### 4 - Bolt

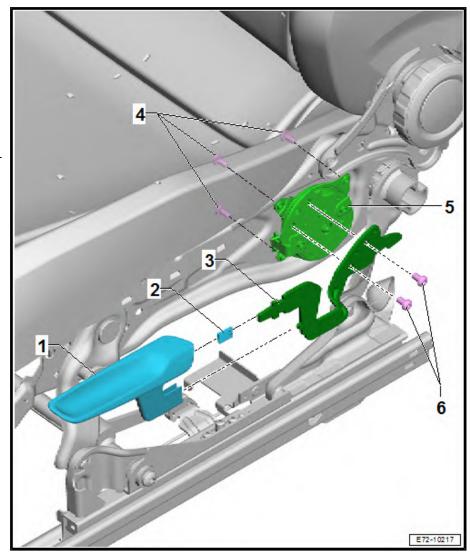
□ 10 Nm

### 5 - Seat height adjuster

□ Removing and installing ⇒ page 195

### 6 - Bolt

□ 8 Nm



# 1.8.2 Removing and installing seat height adjustment unit



### Note

Removal and installation is described for the left vehicle side. Removal and installation for the right side is analogous.

### Removing

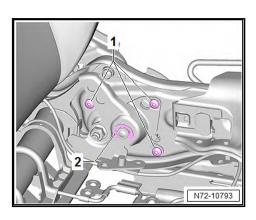
- Move front seat to highest position.



### Note

This reduces the spring load when removing and installing the seat height adjustment.

- Remove cover and padding from seat pan ⇒ page 225.
- Remove securing clip -2-.



- Unscrew 3 bolts -1-.
- Remove seat height adjustment unit.

### Installing

Install in reverse order of removal.

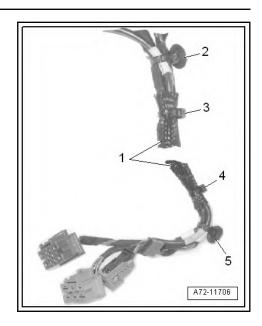
### **Specified torques**

♦ ⇒ o1.8.1 verview - seat height adjustment", page 194

### 1.9 Removing and installing front backrest

### Removing

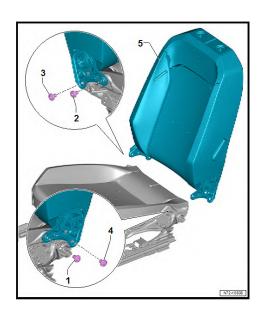
- Remove front seat ⇒ page 181.
- Remove inner seat trim ⇒ page 184.
- Remove outer seat trim:
- ◆ a1.6.3 nd installing outer seat trim, seats with height adjustment", page 185
- ⇒ a1.6.4 nd installing outer seat trim, ergoActive driver seat", page 187
- ◆ a1.6.5 nd installing outer seat trim, front passenger seat without height adjustment", page 188
- Disconnect electrical connectors of wiring harnesses leading to backrest.



- Unclip clips -2- and -5- of wiring harness -1- from seat pan.
- Release wiring harness -1- together with braided sleeve from seat pan.
- To do this, remove all cable ties -3- and -4-.

The wiring harness between coupling station and side airbag is continuous.

- Thread wiring harness leading to side airbag out if braided sleeve.
- Unscrew bolts -1- through -4-.



- Backrest -5- forwards onto seat pan.
- Push seat pan padding to side.
- Carefully pull out side airbag wiring harness from seat pan.
- Remove backrest.

Install in reverse order of removal, observing the following:



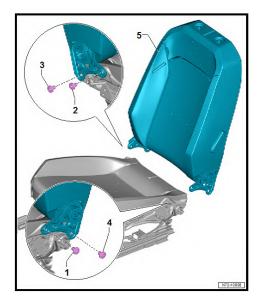
### Note

Before installing, check all fasteners for damage, and renew them if necessary.

- Route wires in their original positions.

Clean threaded holes for bolts with, for example, a thread tap

Specified torque and tightening sequence for backrest



Stage	Component	Specified torque
1	Bolts -14-	Screw in by hand as far as stop
2	Bolt -1-	33 Nm
3	Bolt -2-	33 Nm
4	Bolt -3-	33 Nm
5	Bolt -4-	33 Nm

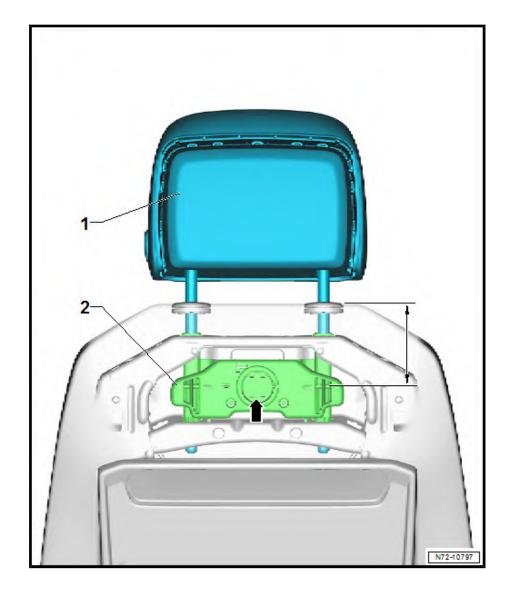
## 1.10 Removing and installing head restraint



### Note

- ♦ The head restraints can be renewed with front seat installed.
- ♦ The release mechanism (release button) can be found on the back of the seats behind the seat cover.

### Removing



Move front seat to foremost and lowest position and tilt backrest by  $45^{\circ}.$ 

The release button -arrow- is located approx. "9 cm" below the upper edge of backrest on the head restraint guide -2-.

- Press release button -arrow- and pull out head restraint -1-.

### Installing

Install in reverse order of removal.

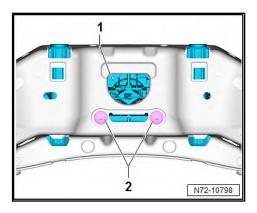


### Note

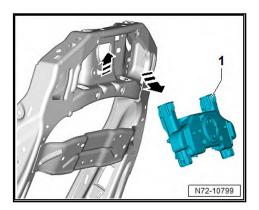
Engage head restraint in the head restraint guide, and ensure proper engagement.

# 1.11 Removing and installing head restraint guide

### Removing



- Remove backrest cover and backrest padding ⇒ page 226.
- Unscrew bolts -2- of head restraint guide -1-.
- Press fasteners of head restraint guide -1- inwards.
- Push head restraint guide -1- up as far as stop and pull it out of bottom of backrest frame towards rear.



### Installing

Install in reverse order of removal, observing the following:

- The guide lugs of the head restraint guide must engage in the recesses of the backrest frame mounting.
- The two lower locking lugs must entirely engage with the backrest frame.

### Specified torques

◆ ⇒ o1.4 verview - head restraint", page 178

# 1.12 Removing and installing lumbar support

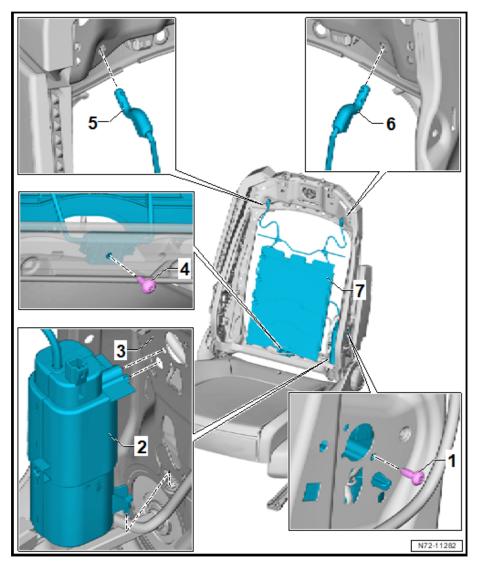


Note

Removal and installation are described for the left side.

### Removing

Remove backrest cover and cushion ⇒ page 226.



- Release and pull off electrical connector of drive motor -2-.
- Unscrew side bolt -1-.
- Remove drive motor -2- from backrest frame -3-.
- Unscrew bolt -4- on back of backrest.
- Guide wires -5- and -6- of lumbar support -7- from backrest frame.

### Installing

Install in reverse order of removal, observing the following:

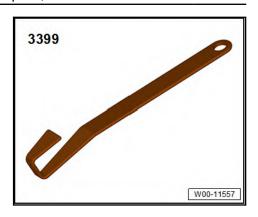
### Specified torques

Component	Specified torque
Bolt for securing drive motor to backrest	1 Nm
Bolt for securing lumbar support to backrest	8 Nm

### 1.13 Removing and handle for installing backrest adjustment

Special tools and workshop equipment required

◆ Assembly tool -3399-

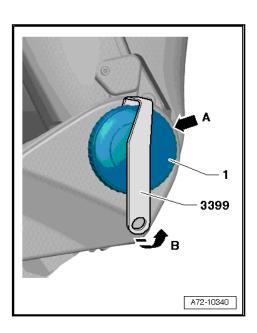




### Note

Removal and installation is described for the left vehicle side. Removal and installation for the right side is analogous.

### Removing



- Turn backrest adjustment -1- until a detent can be seen from the rear -arrow A-. Use a torch if necessary.
- Insert assembly tool -3399- and lever it in -direction of arrow B-.
- Turn backrest adjustment 120° further.
- Insert assembly tool -3399- and lever it in -direction of arrow B-.
- Remove backrest adjustment.

### Installing

Install in reverse order of removal, observing the following:

- Ensure correct installation position of backrest adjustment.
- Pull on backrest adjustment to ensure it is firmly seated.
- If backrest adjuster is too loose following assembly, it must be renewed.

### 2 Rear seats

- ⇒ o2.1 verview bench seat/individual seats", page 202
- ⇒ o2.2 verview rear seat backrest", page 203
- ⇒ o2.3 verview locking mechanism", page 205
- ⇒ o2.4 verview centre armrest", page 205
- ⇒ a2.5 nd installing bench seat/individual seats", page 206
- ⇒ a2.6 nd installing rear seat backrest", page 210
- ⇒ a2.7 nd installing trim for locking mechanism", page 212
- ⇒ a2.8 nd installing locking mechanism for rear seat backrest", page 214
- ⇒ a2.9 nd installing trim frame for load-through hatch", page 214
- ⇒ a2.10 nd installing flap for load-through hatch", page 217
- ⇒ a2.11 nd installing centre armrest", page 218
- ⇒ a2.12 nd installing head restraint", page 218
- ⇒ a2.13 nd installing head restraint guide", page 219
- 2.1 Assembly overview - bench seat/individual seats

### 1 - Bench seat

- □ Allocation ⇒ Electronic parts catalogue
- ☐ Removing and installing <u>⇒ page 206</u>

### 2 - Guide

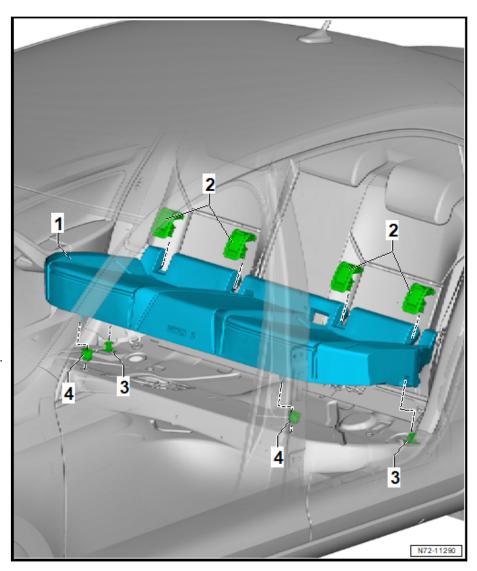
- ☐ For ISOFIX child seat anchor
- □ Qty. 4
- ☐ Removing and installing <del>⇒ page 68</del>

### 3 - Arrester

- □ Qty. 2
- ☐ Engages into wire frame of bench seat

### 4 - Mounting grommet

- □ Qty. 2
- ☐ For securing bench seat
- ☐ Clipped into underbody.
- □ Renew if damaged



### 2.2 Assembly overview - rear seat backrest

### 1 - Rear seat backrest

- □ Allocation ⇒ Electronic parts catalogue
- □ Removing and installing ⇒ page 210

### 2 - Lock

- For rear seat backrest
- □ Assembly overview ≥ page 205

### 3 - Outer head restraint

☐ Removing and installing ⇒ page 218

### 4 - Rear centre belt guide

- ☐ Renew complete belt guide if damaged.
- Removing and installing ⇒ page 60
- Version

### 5 - Centre head restraint

- □ Removing and installing <u>⇒ page 218</u>
- Version

### 6 - Head restraint guide

□ Removing and installing <u>⇒ page 219</u>

### 7 - Flap

- □ For load-through hatch
- □ Allocation ⇒ Electronic parts catalogue
- □ Removing and installing ⇒ page 217
- Version

### 8 - Inner pivot pin

- ☐ For rear seat backrest
- □ 13.5 Nm

### 9 - Locking bar

- For centre bearing.
- □ Removing and installing ⇒ page 210

### 10 - Bolt

□ 9 Nm

### 11 - Cover

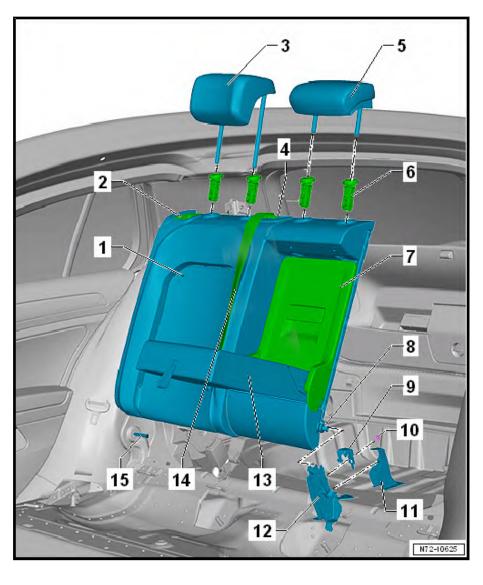
- For centre bearing.
- □ Removing and installing ⇒ page 210

### 12 - Centre mount

■ Welded to underbody.

### 13 - Centre armrest

- □ Allocation ⇒ Electronic parts catalogue
- □ Assembly overview ⇒ page 205
- ☐ Removing and installing <u>⇒ page 218</u>



- □ Version
- 14 Rear three-point seat belt
  - ☐ Removing and installing <u>⇒ page 59</u>
  - □ Version
- 15 Outer support pin
  - Welded to body

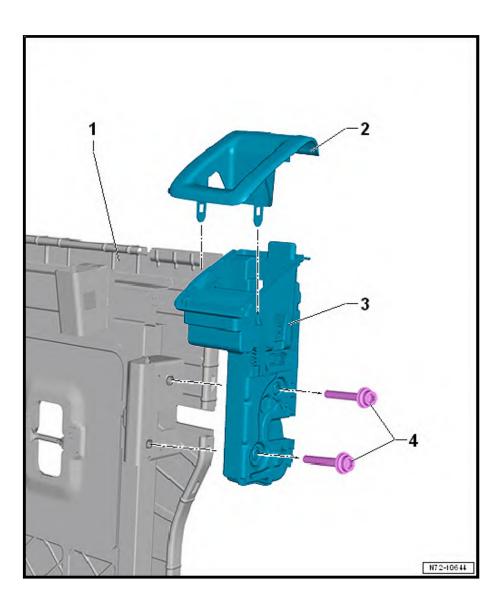
### 2.3 Assembly overview - locking mechanism



Note

The assembly overview shows the locking mechanism for left rear seat back rest (1/3). The locking mechanism for the right rear seat backrest (2/3) is similar.

- 1 Backrest frame
- 2 Trim for locking mechanism
  - □ Removing and installing ⇒ page 212
- 3 Locking mechanism for rear seat backrest
  - □ Removing and installing <u>⇒ page 214</u>
- 4 Bolt
  - □ Qty. 2
  - □ 23 Nm



### 2.4 Assembly overview - centre armrest

### 1 - Centre armrest

Removing and installing ⇒ page 218

### 2 - Flap

- ☐ For load-through hatch
- Removing and installing <del>⇒ page 217</del>

### 3 - Stop strip

- Clipped into rear seat backrest.
- Removing and installing <u>⇒ page 214</u>

### 4 - Cover frame

- ☐ For load-through hatch
- Clipped into rear seat backrest.
- □ Removing and installing ⇒ page 214

### 5 - Trim

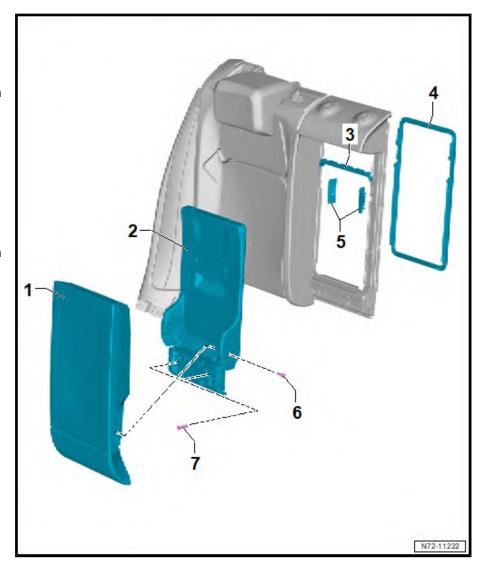
- □ For flap catch
- □ Removing and installing <u>⇒ page 214</u>

### 6 - Bolt

- □ Qty. 2
- □ Self-tapping
- □ Renew after removal
- □ 8 Nm ± 0.8 Nm

### 7 - Bolt

- □ Qty. 2
- □ 8 Nm ± 0.8 Nm



### Removing and installing bench seat/in-2.5 dividual seats

⇒ a2.5.1 nd installing bench seat", page 206

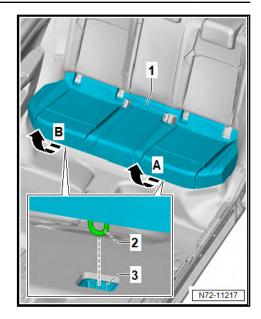
⇒ a2.5.2 nd installing bench seat console", page 209

### 2.5.1 Removing and installing bench seat

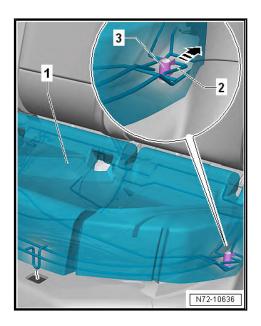
### Removing

- Move front seats to foremost position.
- Insert a screwdriver as far as stop between bench seat and console, each on right and left of wire hook -2-.



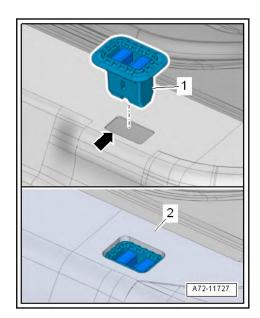


- Push both screwdrivers upwards at the same time, and carefully lever bench seat -1- out of retainers -3- -arrow A-.
- Repeat the procedure on the other side of the bench seat -arrow B-.
- Slightly raise bench seat -1- at front and push wire frame -2-towards rear out of arresters -3-.



- Remove bench seat from vehicle.

### Installing



Install in reverse order of removal, observing the following:

- Check body apertures -arrow- for deformation.
- Repair any deformation using a plastic head hammer.



### Note

Slight remaining deformations are permissible.

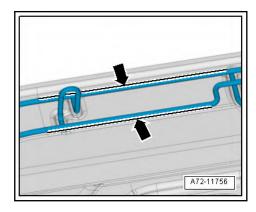
- Lift up floor covering -2- and press new mounting grommets -1- into body aperture -arrow- until they engage audibly.
- Arrange floor covering around grommet as shown in illustra-



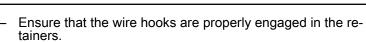
### Note

The floor covering must not cover the grommet.

Before installing the bench seat, check if the wire frame is aligned properly in the area indicated by -arrows-.



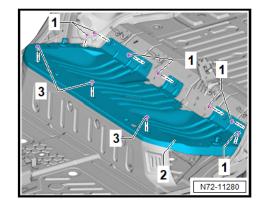
- If the wire frame is bent, it must be bent back until it is properly aligned again.
- Fit bench seat, and press wire hooks firmly into retainers.



### Removing and installing bench seat 2.5.2 console

### Removing

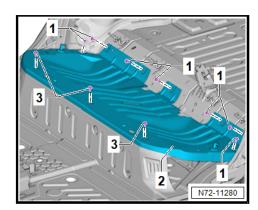
- Remove bench seat <u>⇒ page 206</u>.
- Fold floor covering in area of console towards front.
- Unscrew bolts -1- and -3-.



Carefully guide bench seat console -2- out of vehicle.

### Installing

Secure bench seat console -2- in vehicle using bolts -3-.



- Secure bench seat console -2- in vehicle using bolts -1-.

### **Specified torques**

Component	Specified torques
Bolts -1- and -3-	12 Nm

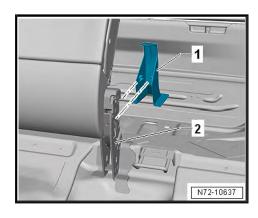
### 2.6 Removing and installing rear seat

⇒ a2.6.1 nd installing rear seat backrest", page 210

⇒ a2.6.2 nd installing backrest cover panel", page 211

### 2.6.1 Removing and installing rear seat backrest

Removing



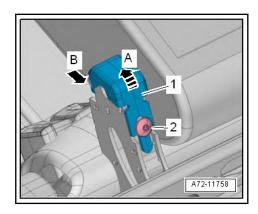
- Remove bench seat <u>⇒ page 206</u>.
- Remove rear right belt buckle with belt end fitting ⇒ page
- Pull cover -1- off centre mount -2-.



### Note

For reasons of clarity, the left rear seat backrest (1/3) is not shown.

Unscrew bolt -2-.



- Equipment version with pass-through: Open lid for pass-through and fold it down.
- Fold up locking bar -1- at rear -arrow A-, detach it at front from centre mount -arrow B- and remove it.

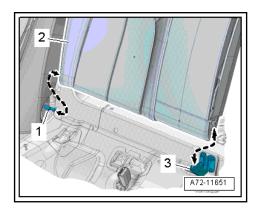


### Note

For reasons of clarity, the left rear seat backrest (1/3) is not shown.



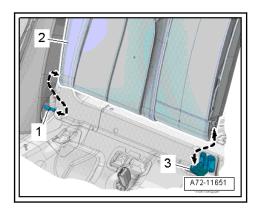
Lift rear seat backrest -2- out of centre mount -3- and pull it towards centre of vehicle out of outer mountings -1--arrows-.



- Remove rear bench seat from vehicle.

# Installing

- Push rear seat backrest -2- in vertical position onto outer support pin -1-.



- Position rear seat backrest -2- in centre mount -3-.

Continue the installation in reverse order of removal, observing the following:

# Specified torques

⇒ o2.2 verview - rear seat backrest", page 203

### Removing and installing backrest cover 2.6.2 panel

# Special tools and workshop equipment required

♦ Hot-air blower -V.A.G 1416-





### Note

The backrest cover panel is bonded to the backrest frame.

# Removing

- Remove head restraint ⇒ page 218.
- Remove upper child seat anchor cover in rear seat backrest
- Apply heat from hot air blower -V.A.G 1416- to backrest cover panel ⇒ <u>Item 1 (page 234)</u> all around, and carefully detach backrest cover panel from backrest frame ⇒ <u>Item 2</u>

# Installing

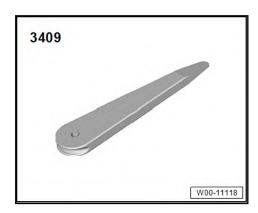
Install in reverse order of removal, observing the following:

- If reusing back panel trim, apply adhesive ⇒ Electronic parts catalogue (ETKA) to outer backrest panel surface
- Precise and even alignment of cover to outer edges of backrest panel as well as to openings for top tether trim
- Firm contact of covering and press on

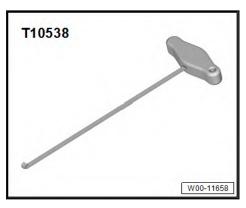
### 2.7 Removing and installing trim for locking mechanism

# Special tools and workshop equipment required

♦ Removal wedge -3409-



Hook -T10538-



# Removing



# Note

The aid of a second mechanic is recommended on account of restricted space in the area of the "trim for locking mechanism".

- Remove respective rear head restraint ⇒ page 218.
- Using a screwdriver, detach beading strip on sides and on top of backrest cover in area of trim from backrest.
- Using removal wedge -3409-, carefully push cover next to trim -2- towards outside.



- Using a light, determine position of respective locking tab
- Using hook -T10538-, carefully bend respective locking tab -1- towards outside.
- After both locking tabs -1- have been bent outwards, pull trim upwards -arrow- and remove.

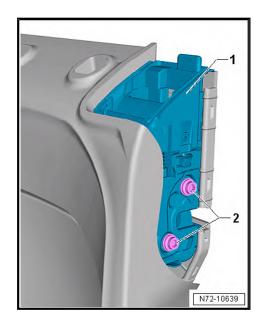
# Installing

Install in reverse order of removal, observing the following:

After the trim has been installed, the locking mechanism must work smoothly.

### Removing and installing locking mech-2.8 anism for rear seat backrest

# Removing



- Remove trim for locking mechanism ⇒ page 212.
- Release backrest cover only in area of locking mechanism.
- Unscrew bolts -2-.
- Remove locking mechanism -1- from backrest frame.

# Installing

Install in reverse order of removal, observing the following:

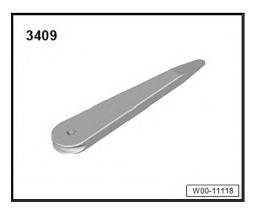
# **Specified torques**

◆ ⇒ o2.3 verview - locking mechanism", page 205

### 2.9 Removing and installing trim frame for load-through hatch

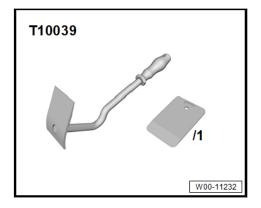
# Special tools and workshop equipment required

♦ Removal wedge -3409-

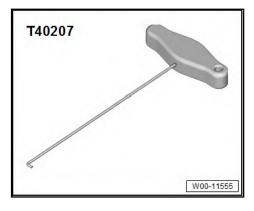




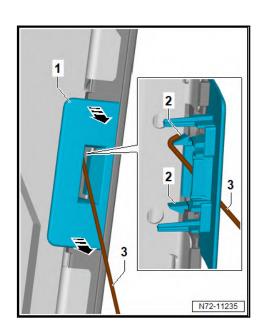
♦ Release lever -T10039-



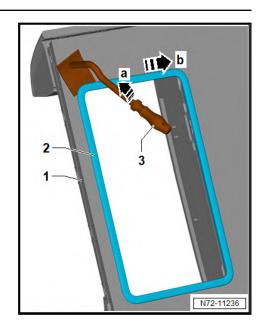
♦ Hook -T40207-



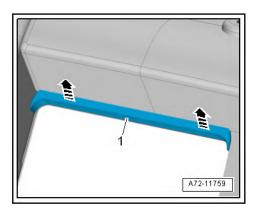
# Removing



- Fold down centre armrest and open flap for load-through hatch.
- Unclip trim -1- from rear seat backrest -arrows- using removal wedge -3409-.
- To do this, disengage fasteners -2- alternately using hook -T40207- -item 3-.
- Lever cover frame -2- with release lever -T10039- -item 3off rear seat backrest -1- -arrow a-.



- Start in upper left corner and proceed in direction of -arrow b-.
- Remove cover frame -2- for load-through hatch.
- Push backrest padding and backrest cover slightly towards side and unclip stop strip -1- for through-loader aperture lid from rear seat backrest -arrows-.



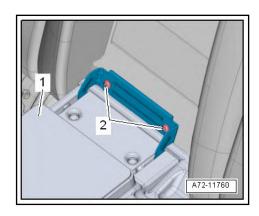
Remove stop strip for pass-through.

# Installing

Install in reverse order of removal.

### Removing and installing flap for load-2.10 through hatch

# Removing



- Remove intermediate padding (backrest with load-through hatch) ⇒ page 242.
- Fold down centre armrest and open flap for load-through hatch.
- Unscrew bolts -2-.
- Remove centre armrest with flap -1- for load-through hatch.
- Remove centre armrest <u>⇒ page 218</u>.

# Installing



# Note

Before inserting the load-through hatch, check if the threaded holes are easily accessible.

- Fit flap -1- for load-through hatch with centre armrest and tighten bolts only hand-tight.
- Close flap for load-through hatch and align it.
- Tighten bolts -2- on rear seat backrest.

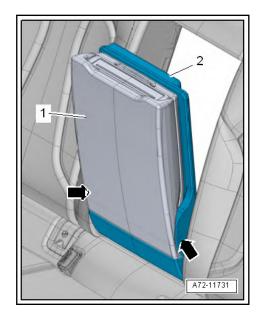
Continue the installation in reverse order of removal, observing the following:

# Specified torques

♦ ⇒ o2.4 verview - centre armrest", page 205

### Removing and installing centre armrest 2.11

# Removing



- Open flap -2- for load-through hatch with centre armrest by approx. <sup>1</sup>/3.
- Unscrew bolts -arrows-.
- Remove centre armrest -1- from flap for load-through hatch.

# Installing

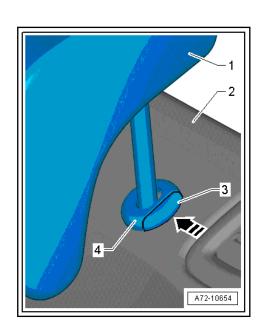
Install in reverse order of removal, observing the following:

# **Specified torques**

◆ ⇒ o2.4 verview - centre armrest", page 205

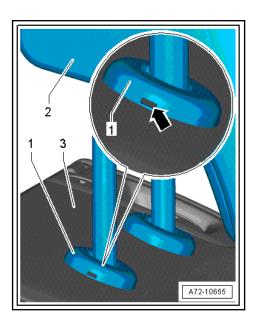
### 2.12 Removing and installing head restraint

# Removing



Press release button -3- for height adjustment on head restraint guide -4- in -direction of arrow-.

- At the same time pull head restraint -1- out of rear seat backrest -2- as far as stop.
- Insert a small flat-bladed screwdriver into opening -arrow- of head restraint guide -1- and press in locking spring as far as stop.





# Note

The aperture in the head restraint guide -arrow- may be on »right« or »left« as seen from direction of travel.

At the same time pull head restraint -2- out of rear seat backrest -3- and remove it.

# Installing

Install in reverse order of removal.

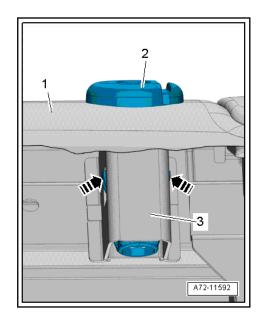
### Removing and installing head restraint 2.13 guide



# Note

2 commercially available screwdrivers with a blade height of 0.4 mm and a blade width of 8 mm are required for removal.

# Removing



- Remove rear head restraint ⇒ page 218.
- Push backrest cover and backrest padding -1- slightly downwards at outer sides.
- Insert a screwdriver on both sides of head restraint guide -3into backrest up to fasteners -arrows-.



# Note

Position the 2 screwdrivers next to the fasteners so that the flat side of the blade rests against the locking lug.

- Turn both screwdrivers by 90° to release fasteners of head restraint guide.
- Use a third screwdriver to carefully lever head restraint guide -2- out of backrest.

# Installing

Install in reverse order of removal, observing the following:

# **Specified torques**

⇒ o2.2 verview - rear seat backrest", page 203

# Seat - padding, covers

# Front seat covers and padding

- ⇒ o1.1 verview cover and padding for seat pan", page 221
- ⇒ o1.2 verview cover and padding for backrest", page 222
- ⇒ o1.3 verview seat heating element", page 223
- ⇒ o1.4 verview backrest heater element", page 224
- ⇒ a1.5 nd installing cover and padding for seat pan", page 225
- ⇒ a1.6 nd installing backrest cover and backrest padding", page 226
- ⇒ c1.7 over and padding on seat pan", page 229
- ⇒ a1.8 nd installing seat heating element Z6/Z8", page 231
- ⇒ a1.9 nd installing backrest heating element Z7/Z9", page 232
- 1.1 Assembly overview - cover and padding for seat pan

Schematic diagram

### 1 - Seat pan

□ Assembly overview ⇒ page 179

# 2 - Padding

- □ Separating cover and padding ⇒ page 229
- □ Removing and installing cover and padding ⇒ page 225

### 3 - Wire

- Encased in foam in padding
- ☐ For attaching cover to padding

# 4 - Shaped wire

- ☐ Inserted into cover pocket
- □ For attaching cover to padding

# 5 - Upholstery clip

☐ For attaching cover to padding

# 6 - Seat cover

- □ Separating cover and padding ⇒ page 229
- Removing and installing cover with padding ⇒ page 225

# 7 - Channel

- Sewn to cover
- ☐ For attaching seat cover to upper frame of seat pan

# A74-10706

# 8 - Pull hook

- On this particular vehicle, a securing strap is fitted instead of pull hooks.
- ☐ When installing the securing strap, pull it over the foam, and align it properly.

# 9 - Channel

- Sewn to cover
- For attaching cover to seat pan

# Assembly overview - cover and pad-1.2 ding for backrest

Schematic diagram



# 1 - Upholstery clip

☐ For attaching cover to padding

# 2 - Zip fastener

- Sewn to backrest cover
- □ Also use "closer for zip fasteners"; allocation ⇒ Electronic parts catalogue (ETKA)
- ☐ Ensure it is properly seated.

# 3 - Backrest cover

☐ Removing and installing cover with padding ⇒ page 226

# 4 - Clip

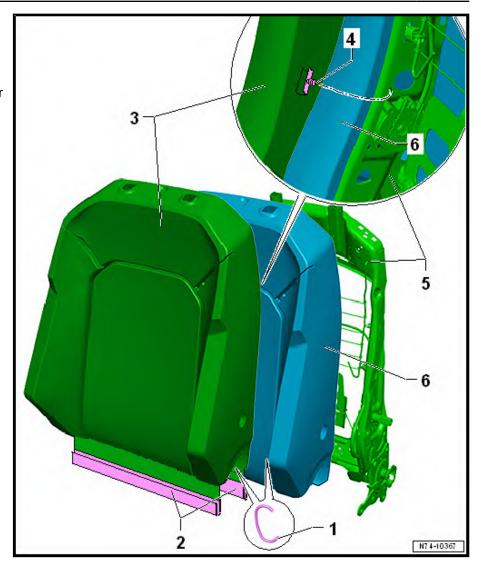
- Not fitted in all equipment lines
- □ For attaching backrest cover on rear backrest frame.
- □ Left and right

# 5 - Backrest frame

☐ Removing and installing ⇒ page 195

# 6 - Backrest padding

☐ Removing and installing cover with padding ⇒ page 226



### 1.3 Assembly overview - seat heating element

# 1 - Seat padding

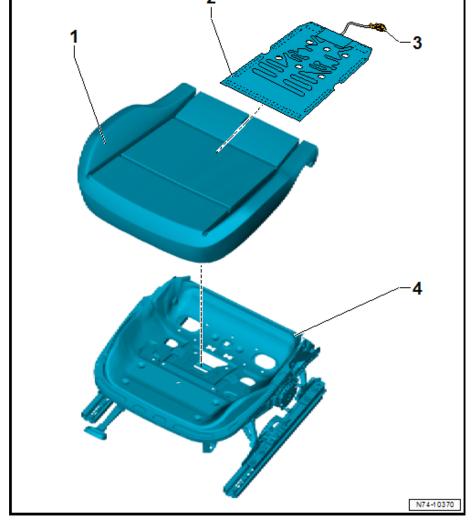
- ☐ Bond on new heater element when renewing ⇒ page 231
- □ Separating cover and padding <del>⇒ page 229</del>
- Removing and installing cover and padding ⇒ page 225

# 2 - Seat heating element

- ☐ Driver side heated seat cushion for driver seat
- ☐ Front passenger side heated seat cushion for front passenger seat - Z8-
- □ Removing and installing ⇒ page 231

# 3 - Electrical connector

# 4 - Seat pan



### Assembly overview - backrest heater element 1.4



### 1 - Front backrest

□ Removing and installing <u>⇒ page 195</u>

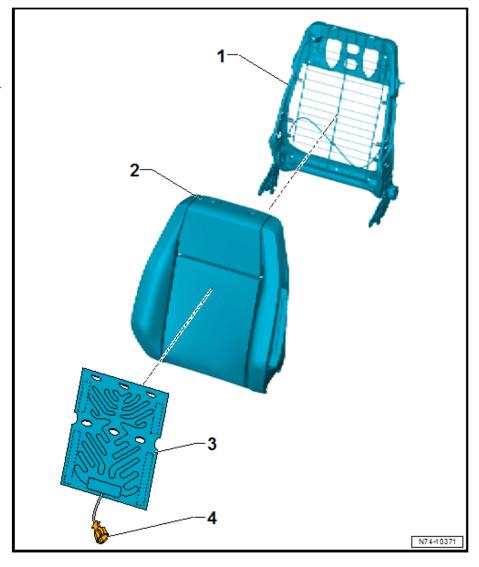
# 2 - Backrest padding

- ☐ Bond on new heater element when renewing ⇒ page 232
- □ Removing and installing cover and padding ⇒ page 226

# 3 - Backrest heating element

- Driver side heated backrest for driver seat -Z7-
- ☐ Front passenger side heated backrest for front passenger seat -
- □ Removing and installing <del>⇒ page 232</del>

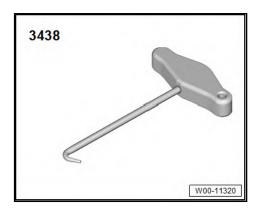
# 4 - Electrical connector



### Removing and installing cover and 1.5 padding for seat pan

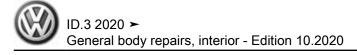
Special tools and workshop equipment required

♦ Hook -3438-

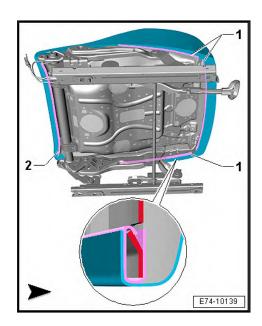


# Removing

- Remove front seat <u>⇒ page 181</u>.
- Remove inner seat trim ⇒ page 184.



- Remove outer seat trim:
- ⇒ a1.6.3 nd installing outer seat trim, seats with height adjustment", page 185
- ⇒ a1.6.4 nd installing outer seat trim, ergoActive driver seat", page 187
- $\Rightarrow$  a1.6.5 nd installing outer seat trim, front passenger seat without height adjustment", page 188
- Front passenger seat: remove child seat anchor at front ⇒
- Remove seat trim bracket ⇒ page 190.
- Remove front belt buckle ⇒ page 64.
- Lay wiring harnesses aside.



- Detach seat cover tensioner -2- in rear area using hook -3438-.
- Detach engagement profiles -1- of seat cover on right and left using hook -3438-.
- Detach engagement profile -1- of seat cover in front area using hook -3438-.
- Detach cover with padding from seat pan, laying wiring harness for seat heating aside, if necessary.

# Installing

Install in reverse order of removal.

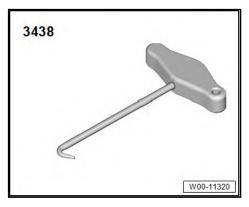
### Removing and installing backrest cover 1.6 and backrest padding

Special tools and workshop equipment required

♦ Upholstery clip pliers -V.A.G 1634B-



♦ Hook -3438-



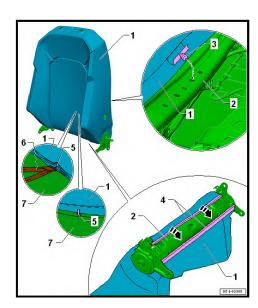


# Note

Removal and installation is described for the left seat. Removal and installation for the right seat is analogous.

# Removing

- Remove front centre armrest ⇒ page 41.
- Remove head restraint ⇒ page 197.



- Open beading strip -4- using hook -3438-.
- Roll backrest cover -1- upwards at front and rear.

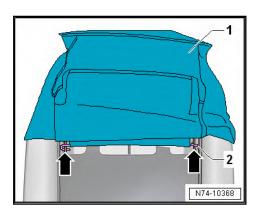
- Pull backrest cover -1- upwards in order to gain access to the upholstery clips -5- on left and right.
- Open upholstery clips -5- using pliers -6-.
- Pull backrest cover -1- further upwards in order to gain access to the upholstery clips -5-.
- Open upholstery clips -5- using pliers -6-.



# Note

This particular equipment version of the backrest cover does not include clip -3-.

Pull up backrest cover -1- in rear area up to second wire of spring mat.

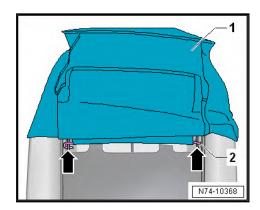


- Detach cross bar for knee recess on left and right from seat frame -arrows-.
- Open remaining upholstery clips with aid of pliers.
- Remove backrest cover from padding and from backrest.
- Remove padding from backrest.

# Installing

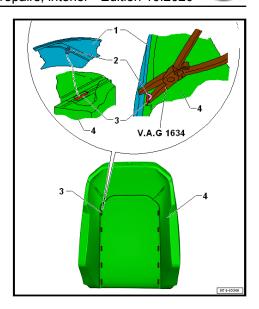
Install in reverse order of removal, observing the following:

Pull backrest cover -1- over padding.



- Secure seat cover -1- to mountings with upholstery clips.
- Use upholstery clip pliers -V.A.G 1634B- for this.
- Attach upholstery wire for knee recess -2- between 1st and 2nd horizontal wire to spring mat -arrow-.
- Pull backrest cover -1- further over padding -4-.







# Note

- ◆ The illustration shows an example. It is not the seat model.
- The illustrations for connecting cover and padding show the current equipment version.
- The illustrations show the basic structure and proceeding.
- Secure backrest cover -1- with upholstery clips -2- in mountings -3-.

Use upholstery clip pliers -V.A.G 1634B-.

- Close zip fastener of backrest cover -1-.

Use "closer for zip fasteners"; Allocation ⇒ Electronic parts catalogue (ETKA)

- Check cover after installation to ensure that it has no crea-
- Thread in cover under seat trims. Ensure that it has no crea-

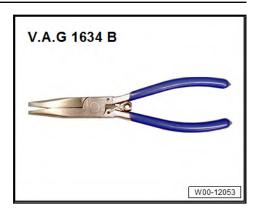
# **Specified torques**

♦ ⇒ o1.2 verview - cover and padding for backrest", page 222

### 1.7 Separating cover and padding on seat pan

Special tools and workshop equipment required

Upholstery clip pliers -V.A.G 1634B-



# Removing

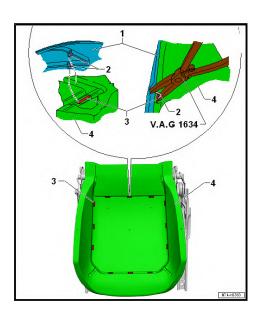


- Remove seat cover and padding from seat pan ⇒ page 225.
- Pull off cover -2- from padding -1- a use pliers to cut upholstery clips -arrows-.
- Cut through side upholstery clips using pliers.

# Installing

Install in reverse order of removal, observing the following:

- Renew all upholstery clips and secure in original position when installing.
- Pull seat cover -1- over padding -4-.





# Note

The illustration shows an example. It is not the seat model.

- Secure seat cover -1- with upholstery clips -2- in mountings -3-.
- Use upholstery clip pliers -V.A.G 1634B- for this.
- Check cover -1- after installation to ensure that it has no creases.

### 1.8 Removing and installing seat heating element -Z6-/-Z8-

# Special tools and workshop equipment required

Hot air blower, commercially available

### Removing

- Separate cover and padding on seat pan <u>⇒ page 229</u>.
- Hot air blower setting: 220°C
- Heat up defective seat heating element in area of bond, maintaining a distance of approx. 300 mm between hot air blower and padding.
- Grip seat heater element in area of adhesive strips, and carefully detach it while continually applying heat.
- When doing this, slowly and carefully pull off seat heater element at a sharp angle.
- While applying hot air, detach adhesive surfaces of seat heater element one by one.
- Make sure that no padding particles are torn out. Small torn out pigments are permissible.



# Note

Adhesive residue from the detective seat heater element can remain on the foam.

### Installing

There are grooved recesses in the padding in which the wires run. The cover is attached to the wires using upholstery clips.



# Note

- When bonding the heater element, ensure that the heater element comes fully into contact with the padding in the grooved recesses.
- Ensure that the heater element is not creased or stretched on the padding when doing so.
- Bond on seat heater element centrally and without creases, remove wax strips of adhesive completely.
- Do not detach seat heater element to adjust bond position.



### Note

In the event of the bond requiring repositioning, a new heater element must be used.

### 1.9 Removing and installing backrest heating element -Z7-/-Z9-

# Special tools and workshop equipment required

Hot air blower, commercially available

### Removing

- Removing and installing backrest cover and padding ⇒ page
- Hot air blower setting: 220°C
- Heat up defective backrest heating element in area of bond, maintaining a distance of approx. 300 mm between hot air blower and padding.
- Grip backrest heating element in area of adhesive strips, and carefully detach it while continually applying heat.
- When doing this, slowly and carefully pull off backrest heating element at a sharp angle.
- While applying hot air, detach adhesive surfaces of backrest heating element one by one.
- Make sure that no padding particles are torn out. Small torn out pigments are permissible.



### **Note**

Adhesive residue from the detective backrest heating element may remain on the foam.

# Installing

There are grooved recesses in the padding in which the wires run. The cover is attached to the wires using upholstery clips.



### Note

- When bonding the heater element, ensure that the heater element comes fully into contact with the padding in the grooved recesses.
- Ensure that the heater element is not creased or stretched on the padding when doing so.
- Bond on backrest heating element centrally and without creases, remove wax strips of adhesive completely.
- Do not detach backrest heating element to adjust bond position.



### Note

In the event of the bond requiring repositioning, a new heater element must be used.

### 2 Rear seat covers and padding

- ⇒ o2.1 verview cover and padding", page 233
- ⇒ a2.2 nd installing covers and padding", page 234
- ⇒ c2.3 over and padding", page 242

### 2.1 Assembly overview - cover and padding

- ⇒ o2.1.1 verview cover and padding for bench seat", page 233
- ⇒ o2.1.2 verview rear seat backrest cover and padding", page 233

### 2.1.1 Assembly overview - cover and padding for bench seat

# 1 - Seat frame

# 2 - Seat padding

- □ Allocation ⇒ Electronic parts catalogue
- Removing and installing seat cover and seat padding <u>⇒ page 234</u>

# 3 - Upholstery clip

- ☐ For attaching seat cover to seat padding
- Renew after removal
- When installing, fit in same location using upholstery clip pliers -V.A.G 1634B-.

### 4 - Seat cover

- □ Different equipment versions.
- □ Allocation ⇒ Electronic parts catalogue
- Removing and installing seat cover and seat padding ⇒ page 234
- After installation, check that there are no creases in seat.

### 5 - Channel

Sewn to seat cover

# 6 - Seat occupied sensors

- □ Rear left seat occupied sensor -G177-
- Rear centre seat occupied sensor -G1010-
- ☐ Rear right seat occupied sensor -G178-
- □ Removing and installing ⇒ page 108

# N74-10502

### 2.1.2 Assembly overview - rear seat backrest cover and padding

# 1 - Backrest cover panel

Removing and installing ⇒ page 211

# 2 - Backrest frame

☐ Removing and installing ⇒ page 210

### 3 - Backrest cover

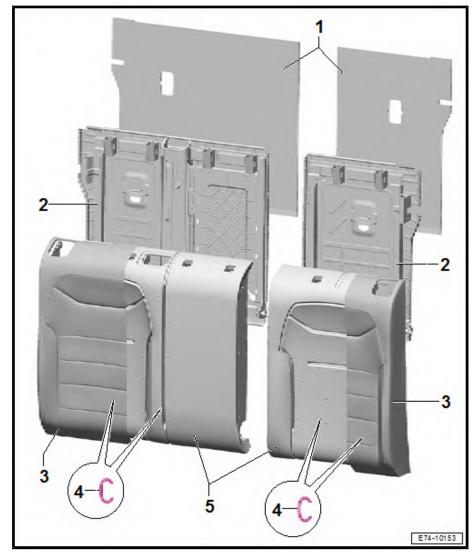
- □ Removing and installing cover with padding
- Separating cover and padding ⇒ page 242

# 4 - Upholstery clip

☐ For attaching seat cover to seat padding

# 5 - Backrest padding

- □ Removing and installing cover with padding ⇒ page 238
- Separating cover and padding <del>⇒ page 242</del>



### 2.2 Removing and installing covers and padding

⇒ a2.2.1 nd installing bench seat cover and padding", page 234

⇒ a2.2.2 nd installing rear seat backrest cover and padding", page 238

⇒ a2.2.3 nd installing intermediate padding, backrest with loadthrough hatch", page 242

### 2.2.1 Removing and installing bench seat cover and padding

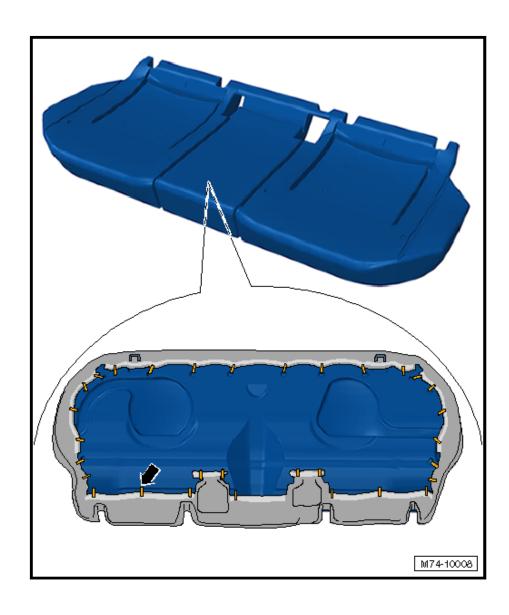
Special tools and workshop equipment required

♦ Upholstery clip pliers -V.A.G 1634B-

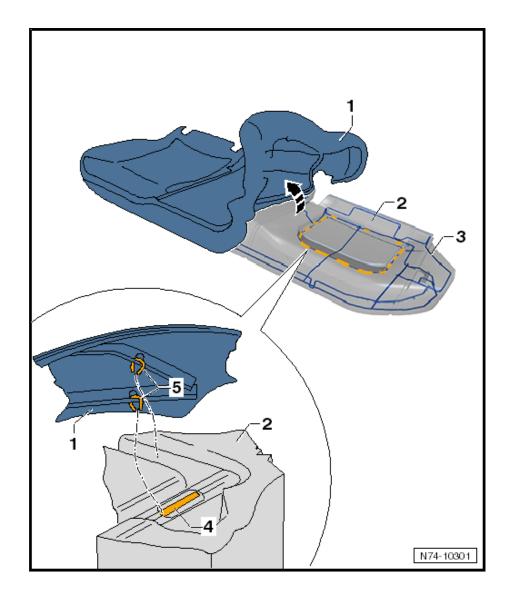


# Removing

- Remove bench seat ⇒ page 206 .
- Remove guides for child seat anchor at rear ⇒ page 68.
- Detach all padding clips -arrow- all-round underside.
- Remove padding clips -arrow- on underside.
- Roll cover upwards.



- Fold over cover at the sides.
- Remove upholstery clips -5- of cover -1- from mountings in padding -4-.
- Remove cover -1- from cushion -2- in -direction of arrow-.



# Installing

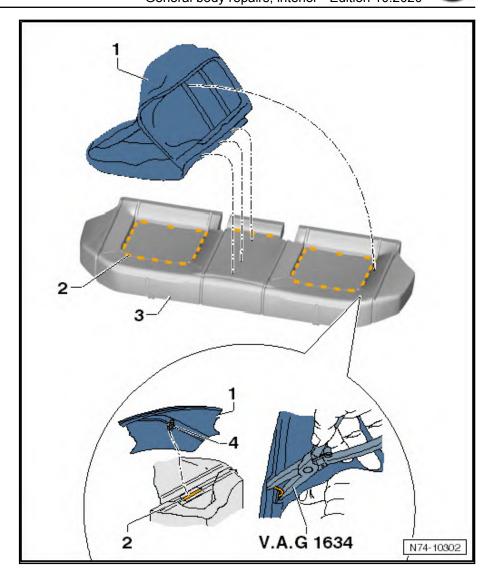


# Note

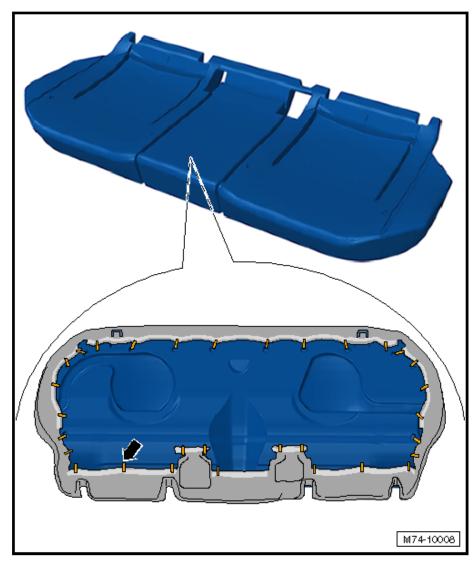
Before installing, check all fasteners for damage and renew if necessary.

Install in the reverse order of removal, observing the following:

- Place cover -1- on padding -3-.
- Fasten cover -1- to padding -3- with new upholstery clips -4-at indicated positions -2- using upholstery clip pliers -V.A.G 1634B-.
- Fold cover -1- at sides.



Attach cover all around padding with new padding clips at the positions indicated -arrow-, using padding clip pliers -V.A.G 1634B-.

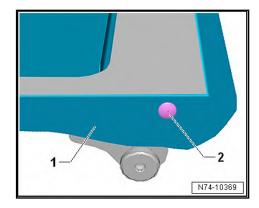


# Removing and installing rear seat 2.2.2 backrest cover and padding

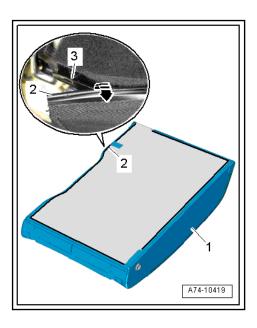
# Removing

- Remove bench seat ⇒ page 206.
- Remove rear right belt buckle with belt end fitting <u>⇒ page</u>
- Remove rear seat backrest ⇒ page 210.
- Remove rear head restraint ⇒ page 218.
- Remove rear head restraint guides ⇒ page 219.
- Remove trim for locking mechanism ⇒ page 212.
- Release clips -2- in area of inner support pin from backrest cover -1-.



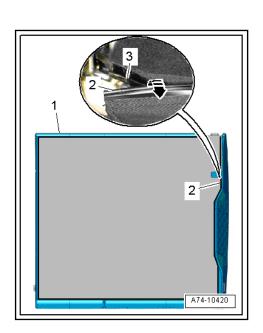


# Left rear seat backrest (1/3)



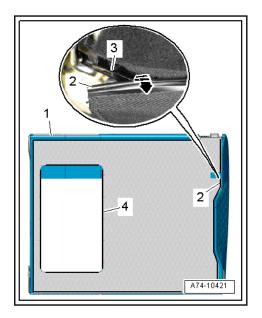
- Starting at locking mechanism, lever beading strip -2- for backrest cover all round off backrest frame -3- -arrow- using a screwdriver.
- Remove backrest cover -1- with backrest padding from backrest frame.

# Right rear seat backrest (2/3)



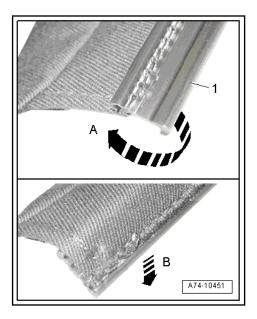
- Remove rear belt guide ⇒ page 60.
- Starting at locking mechanism, lever beading strip -2- for backrest cover all round off backrest frame -3- -arrow- using a screwdriver.
- Remove backrest cover -1- with backrest padding from backrest frame.

# Right rear seat backrest (2/3) with pass-through

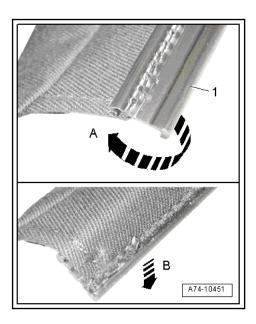


- Remove rear belt guide ⇒ page 60.
- Remove intermediate padding (backrest with load-through hatch) ⇒ page 242.
- Remove lid for pass-through with rear centre armrest ⇒ page
- Remove cover frame for pass-through ⇒ page 214.
- Starting at locking mechanism, lever beading strip -2- for backrest cover all round off backrest frame -3- -arrow- using a screwdriver.
- Lever beading strip -4- for backrest cover all round off passthrough using a screwdriver.
- Remove rear head restraint guides ⇒ page 219.
- Remove backrest cover -1- with backrest padding from backrest frame.

# Installing



# Installing

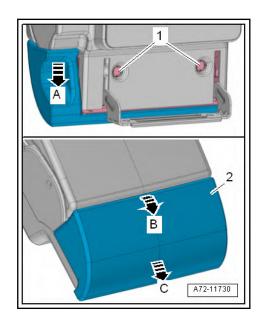


Install in reverse order of removal, observing the following:

- Fold beading strip -1- 180° inwards -arrow A-.
- Attach side beading strips into grooves in backrest frame -arrow B-.

## 2.2.3 Removing and installing intermediate padding, backrest with load-through hatch

# Removing



- Fold down flap for load-through hatch.
- Release fasteners -1- using a screwdriver and at the same time push down intermediate padding -2- as far as stop -arrow A-.
- Slightly lift up intermediate padding -arrow B- on top and at the same time detach it at bottom from flap for load-through hatch -arrow C-.

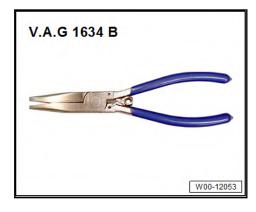
# Installing

Install in reverse order of removal.

### 2.3 Separating cover and padding

# Special tools and workshop equipment required

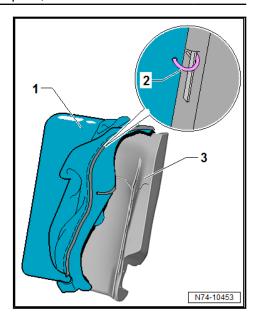
♦ Upholstery clip pliers -V.A.G 1634B-



# Removing

- Remove backrest cover and padding of rear seat backrest ≥ page 238.
- Roll backrest cover -1- off padding -3- until padding channels are accessible.





- Cut through upholstery clips -2- using pliers.
- Remove backrest cover -1- from backrest padding -3-.

# Installing

Install in reverse order of removal, observing the following:

- Secure seat cover to mountings with upholstery clips.
- Use upholstery clip pliers -V.A.G 1634B- for this.
- After installation, check that there are no creases in the seat cover.